## **Transportation Plan 2030**

November 2004



Rocky Mount Urban Area Metropolitan Planning Organization

### TABLE OF CONTENTS

EXECUTIVE SUMM	IARY	Page i
CHAPTER ONE	INTRODUCTION BACKGROUND STATUS OF THE MPO'S LONG RANGE PLANS REPORT FORMAT	1-1 1-1 1-3 1-4
CHAPTER TWO	TRANSPORTATION PLAN CONSIDERATIONS THE SEVEN PLANNING FACTORS PUBLIC INVOLVEMENT	2-1 2-1 2-4
CHAPTER THREE	SOCIO-ECONOMIC AND LAND USE DATA POPULATION THE LOCAL ECONOMY LAND USE	3-1 3-1 3-3 3-5
CHAPTER FOUR	TRANSPORTATION ELEMENTS HIGHWAY ELEMENT PEDESTRIAN ELEMENT BICYCLE ELEMENT RAILROAD ELEMENT TRANSIT ELEMENT AVIATION ELEMENT ITS ELEMENT	4-1 4-1 4-2 4-4 4-5 4-7 4-8 4-9
CHAPTER FIVE	FINANCIAL PLAN OVERVIEW OF FINANCIAL SOURCES EXISTING USES OF TRANSPORTATION FUNDS FINANCIAL PROJECTIONS COST ESTIMATES FINANCING STRATEGY AND SUMMARY	5-1 5-1 5-2 5-4 5-5 5-10

APPENDIX

### **Executive Summary**

This planning document represents the culmination of long-range planning efforts currently underway by the Rocky Mount Urban Area MPO. These efforts are directed towards providing for a well-integrated, multi-modal transportation network capable of supporting the safe and efficient movement of people and goods. In addition to this goal, it is the objective of the MPO to promote and sustain ongoing public input into what direction the MPO should take and how priorities are established when identifying long-range transportation improvements within the planning area.

To identify these improvements, this document provides a discussion of existing and future year socio-economic data within the planning area, as these variables provide the basis for projecting future year demands on the local transportation network. More specifically, the plan includes a discussion of the existing and future year population, employment, and land use characteristics within the planning area. In terms of projections for the year 2030, it is anticipated that the population of the MPO will increase from 78,600 (2000) to 90,000, employment will increase from 36,000 jobs (2003) to 45,000 jobs, and with the exception of development within the floodplain of the watercourses within the planning area, current land use trends will continue with higher concentrations of residential development to the north and west of Rocky Mount.

The document also examines the current status of each mode that exists within the planning area and the long-range improvements required to address future year travel demands within the area. Although improvements are outlined across all modes, a majority of the projects are roadway related (\$320 million of the \$330 million in proposed improvements). The more costly of these projects include the widening of I-95, the extension of Nashville Road, the widening of US 64 Bypass, and the replacement of Sutton Road tunnels. Other improvements proposed in the long-range plan include completion of the Phase I sidewalk priority list, , upgrading the City of Rocky Mount

Closed Loop Signal System, and implementation of the improvements identified in the NCDOT/City of Rocky Mount Traffic Separation Study.

The Rocky Mount Urban MPO Transportation Plan is also intended to satisfy federal requirements associated with the enactment of TEA-21. In addition to including a 20-year planning horizon, the legislation dictates that the plan be fiscally constrained. Based on the projected cost of those long-range improvements included in the plan and the local, state, and federal funds projected through the year 2030, a \$101 million shortfall is anticipated. Although efforts to identify alternate funding sources are recommended, the plan prioritizes the long-range improvements by establishing four categories. The first three categories include those projects identified as short-term improvements (Phase 1, the next 10 years), mid-term improvements (Phase 2, the next 15 years), and long-term improvements (Phase 3, the next 25 years). The fourth phase includes those projects that will be required within the next 25 years, yet will require additional funds to construct.

Overall, this document seeks to assist local decision makers in their efforts to plan for and provide a safe, efficient, and well-integrated transportation network capable of satisfying the future year travel demands within the Rocky Mount Urban Area. To achieve this goal, however, it is clear that additional funds will be required to fully fund the improvements required within the next 25 years. It is also important to recognize that this plan is a living document and that the assumptions, findings, and recommendations included in the plan should be revisited as changes in socio-economic or land use conditions, the MPO's priorities, and anticipated funding levels dictate.

## CHAPTER ONE INTRODUCTION

The Transportation Plan 2030 for the Rocky Mount Urban Area Metropolitan Planning Organization (MPO) is the document which fulfills the Federal requirements of metropolitan transportation planning found in 23 CFR 450 Subpart C. The City of Rocky Mount serves as the Lead Planning Agency for the MPO and provides staff to assist in developing a comprehensive, coordinated, and continuing transportation planning program. To this end MPO staff work with the Technical Coordinating Committee and the Transportation Advisory Committee of the MPO to develop a Transportation Plan that meets the transportation needs of the area within the next 25 years.

### Section 1.1 Background

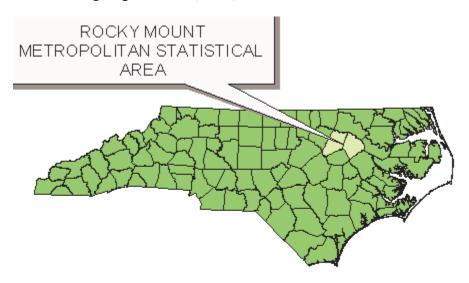
The City of Rocky Mount is located in both Edgecombe and Nash Counties in northeastern North Carolina. Rocky Mount straddles the geographic line that demarcates the piedmont and coastal plain geographical regions of North Carolina, as well as the county line. Located 53 miles east of Raleigh, the state capital, and 125 miles south of Richmond, Virginia, Rocky Mount is the 15<sup>th</sup> largest city in the Tar Heel State.

Tuscarora Indians hunted and settled the area of "rocky mounds" along the piedmont boundary at The Falls of the Tar River. This area would attract settlers and industry early in our nation's development. Agriculture prospered in the Rocky Mount area and the Tar River was a source of power for one of the state's first textile mills. The Indian trails and wagon paths of the first inhabitants became the basis for the area's earliest road network.

The Wilmington – Weldon Railroad was one of the earliest state railroads. The rail line located east of the settlement around the Tar River Falls in 1840. The establishment of a rail depot to serve agricultural and textile business directed the growth of Rocky Mount from the Falls to the railroad. The business center of Rocky Mount migrated east to the

depot. Today Main Street parallels the railroad tracks, which are owned by CSX Corporation.

As the area prospered, Edgecombe County was divided along the railroad tracks to form Nash County to the west with the Town of Nashville as county seat. Today, Edgecombe and Nash are commonly referred to as "The Twin Counties", and comprise the Rocky Mount Metropolitan Statistical Area. In 1992 the Rocky Mount Urban Area became the 17<sup>th</sup> Metropolitan Planning Organization (MPO) in N.C, and in 2002 the Urban Area



was expanded to include the Town of Nashville, NC. The Rocky Mount Urban Area MPO includes approximately 198 square miles and accounts for 45 percent of the population of Edgecombe and Nash Counties.

Rail and highway travel in a north-south direction has historically been important in Rocky Mount, which is halfway between New York City and Miami, Florida. US Highway 301 runs north-south on Church Street through the City proper. Today most north-south long distance travelers use Interstate 95, which nearly bisects the distance between Rocky Mount and Nashville. Nonetheless, many travelers still stop in Rocky Mount, an All American City, for goods and services, just as the earliest visitors to the area centuries ago.

US Highway 64 is the major transportation route of east-west traffic in the Rocky Mount Urban Area MPO. Extending from the coast to the mountains of North Carolina US 64, the State's longest highway, passes through Rocky Mount and Nashville as a four-lane divided highway with controlled access.

A number of smaller state and county roads radiate from the downtowns of Rocky Mount and Nashville. These farm-to-market roads are changing from rural to urban character as the area continues to grow. Halifax Road, which roughly marks the route of General Cornwallis to Yorktown, is rapidly changing as the road's function is becoming more important for more people traveling north-south within the study area.

### **Section 1.2 Status of the MPO's Long Range Plans**

The Rocky Mount Urban Area MPO is charged with the coordination and promulgation of transportation planning activities for the City of Rocky Mount, the Town of Nashville, and the contiguous urban areas of Edgecombe and Nash Counties. While the tangible results of this effort primarily take the form of a local Thoroughfare Plan and Transportation Plan, the work required to develop these long- range planning documents necessitate that transportation planning for the area remain continuous, comprehensive, and cooperative. Such is the mission of the Rocky Mount Urban Area MPO.

The first Thoroughfare Plan for the City of Rocky Mount was adopted in 1963 and later revised in 1965. A subsequent plan was developed in 1973 and later adopted that same year. In 1979, revisions to the Thoroughfare Plan were required to accommodate the commercial development taking place within the US 301 Bypass corridor. The next Thoroughfare Plan, which was initially prepared and adopted in 1985, was later revised and approved by the North Carolina Department of Transportation in May 1988. This revision was completed as a result of the changes anticipated with construction of what is now Golden East Mall, a regional shopping mall located immediately adjacent to the intersection of US 301 Bypass and NC 43/48. The current Thoroughfare Plan was

adopted by the Rocky Mount Transportation Advisory Committee and the NCDOT in 2003. The Town of Nashville Thoroughfare Plan was adopted in December of 1983.

The first Rocky Mount Transportation Plan was prepared with the assistance of the NCDOT and FHWA and approved by the MPO's TCC and TAC in 1998. This document addressed all existing travel modes within the Rocky Mount Urban Area including highway, pedestrian, bicycle, rail, and air. The document, which included a horizon year of 2020, also addressed the financial implications of pursuing these long-range improvements across each of these modes given the anticipated funding levels through the year 2020. Subsequently, a second Transportation Plan was adopted in September 2001 with a 20-year planning horizon of 2025. Although the Transportation Plan currently in place is only 3 years old, the Rocky Mount Urban Area MPO Transportation Plan 2030 is necessary as part of the MPO's efforts to achieve Transportation Conformity. Achieving Conformity ensures that the local transportation plan is consistent and is in compliance with the State's air quality plan. With this in mind, this document revisits the assumptions and recommendations included in the 2025 plan and expands the plan to the new MPO Boundary, while also extending the horizon year of the Transportation Plan by another five years to the Year 2030.

### **Section 1.3** Report Format

The following sections of this report help to more clearly define the long-range transportation needs of the Rocky Mount Urban Area. While this effort includes identifying and addressing anticipated transportation network capacity deficiencies, this plan also seeks to identify and capitalize on opportunities to develop a more fully integrated, multi-modal transportation network capable of addressing the long term needs of the urban area. The report also seeks to provide yet another tool for local, state, and federal officials to use when assessing what transportation improvements are necessary to support the economic vitality, safety, level of accessibility, quality of life, and viability of the area comprising the Rocky Mount Urban Area MPO.

### CHAPTER TWO TRANSPORTATION PLAN CONSIDERATIONS

Although it could be said that the primary goal of the Transportation Plan is to compare the cost of transportation improvements (across the various modes) within the planning area to the funds anticipated for the construction of such improvements, to do so would significantly understate the value of the plan and the effort required to prepare it. In addition to the technical aspects of compiling the plan recommendations (identifying projects, generating cost estimates, and estimating future year funding levels) a variety of other considerations factor into this process. With this in mind, the following sections address several of the essential factors that must be addressed by the MPO during the development of the Long Range Transportation Plan (LRTP).

### **Section 2.1** The Seven Planning Factors

The transportation programs of the United States are supported by federal legislation enacted by the Congress. Although TEA-21 is currently in effect via extensions passed by Congress, the next federal legislation (next TEA) is anticipated to include the basic planning requirements of earlier legislation (Intermodal Surface Transportation Efficiency Act, and Transportation Equity Act for the 21<sup>st</sup> Century).

TEA-21, the successor to ISTEA, serves as the enabling legislation and funding mechanism for MPOs. As such, TEA-21 includes a list of requirements that must be satisfied by the MPO to receive those funds allocated for local transportation planning efforts. In addition to stipulating that the MPO must maintain a LRTP with a minimum 20-year planning horizon, the legislation also outlines a list of 7 factors that must be addressed during the planning process. These factors are intended to insure that local planning efforts account for the myriad of issues, which must be addressed when programming improvements to the transportation network. A discussion of these factors

and the Rocky Mount Urban Area MPO's efforts to address each of these factors during the planning process follows.

## 1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;

The transportation system is a principal component of the community infrastructure supporting economic activity. The needs of the community for essential functions, commercial enterprise and future development must be met by the planned transportation system.

The Transportation Plan includes improvements on the radial arterials leading to the central business areas. Widening of NC 43 and NC 48 will improve the service to the vital economic centers of the Rocky Mount urban area. Completion of the Northern and Southern Connectors will increase the connectivity of the community allowing for economic growth.

### 2. Increase the safety and security of the transportation system for motorized and nonmotorized users;

Safety is typically the number one requirement of citizens for the transportation system. All users of the transportation network must be afforded a safe facility to meet their mobility needs.

A study of the traffic accident reports is used to develop improvements for safer operating conditions. A program of construction and repairs of sidewalks is conducted to provide safer pedestrian facilities.

Currently the Traffic Separation Study, a railroad crossing study, performed under the direction of the NCDOT Rail Division is being evaluated for suggestions to improve safety at at-grade railroad crossings.

### 3. Increase the accessibility and mobility options available to people and for freight;

The Transportation Plan shall assist people in meeting the two goals of transportation, mobility and accessibility. Thoroughfare and Transportation Plans shall include projects that increase the ease with which these goals may be achieved.

The Transportation Plan supports multimodal forms of transportation, which give the public more choices for traveling. The transportation center is the hub for Tar River Transit, Amtrak, and intercity bus traffic. An increase of routes and hours of the Tar River Transit is being planned.

# 4. Protect and enhance the environment, promote energy conservation, and improve quality of life;

Quality of life will directly improve with a better transportation system, which is designed to protect the environment. More efficient and conservative transportation facilities will serve to protect and preserve our natural environment.

Environmental studies of proposed transportation projects are conducted to assure that the consequences of the projects are known and evaluated. Constructed projects must not create unacceptable quality of life issues.

# 5. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;

All means of moving people and goods must be considered in the transportation plans. Allowing the different modes to operate together creates a greater opportunity to meet the transportation needs of the community.

The transportation center with transit, rail and intercity bus services at one location has been a successful operation for our citizens. The connection of the

greenway trail system with sidewalk facilities is another enhancement included in transportation plans.

### 6. Promote efficient system management and operation

Time and resources are limited and expensive. Transportation plans, which promote a more efficient system with enhanced capacity, will serve the community much better.

The closed circuit traffic signal system using fiber optic cable has improved the operation of the transportation network. Use of one-way pairs in the downtown area is an example of efficiency in Rocky Mount.

### 7. Emphasize the preservation of the existing transportation system.

Plans must be made to take care of the existing facilities. The potential of a new facility is met if the existing system works well. Only a maintained transportation network will work as designed.

Resurfacing of roads and maintenance of signs and markings are continuous programs to preserve the transportation system. Monitoring of operations and inspections of facilities are principal components of the plan to preserve the transportation system.

### Section 2.2 Public Involvement In Transportation Planning

In addition to the seven planning factors set forth within TEA-21, the legislation also emphasizes the importance of public input into the planning process. While effective transportation planning necessitates ongoing public review and comment in local planning efforts, TEA-21 further reinforces the importance of public involvement in the identification and evaluation of proposed transportation improvements, the assessment of these improvements as they relate to the goals and objectives of the community, and the prioritization of these improvements within the planning area. In keeping with this philosophy, the Rocky Mount Urban Area MPO has been very pro-active in its efforts to

solicit and promote public input during efforts to update the Thoroughfare Plan and the Long Range Transportation Plan.

Public involvement has been sought in the transportation planning process in accordance with the Rocky Mount Urban Area MPO's "Policy For Seeking Public Comment", which is included in Appendix A of this report. As the Thoroughfare Plan and Transportation Plan have been studied, the input of local citizens has been requested for use in the revisions of these planning documents. Without the comments of the local public, the work of the City of Rocky Mount staff, representatives of NCDOT and FHWA, and members of the Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) would be incomplete. The local citizens define the goals and objectives of the community to which the planning officials strive to achieve.

The MPO staff recognizes that a variety of formats are required to maximize the opportunity for public input in transportation planning. First, the public involvement process includes open meetings of the TCC and TAC where transportation problems are addressed with proposed improvements. Also, public meetings are held to present major transportation project proposals and the Transportation Improvement Program (TIP). Participation by the MPO in the annual Business EXPO conducted by the local Chamber of Commerce has been a successful interaction with the local public for several years, and the 2003 Transportation Open House staged at the local public library was a positive opportunity to present transportation developments to the community. The employment of an Internet website for the MPO has been a recent addition to the tools and methods used to engage the public in local transportation planning. Additionally, the MPO staff remains prepared to speak with local neighborhood associations, civic organizations and school and church groups. Both local and regional print and electronic media are employed to help reach the public with transportation information.

### CHAPTER THREE SOCIO-ECONOMIC AND LAND USE DATA

To adequately assess the long-range transportation needs of the Rocky Mount Urban Area MPO, it is important to have a good understanding of the factors that influence demand on the local transportation network. Although there is a wide range of variables to consider, the three most influential factors include the population within the boundaries of the MPO, the local economy, and land use patterns. It is also important to develop a realistic forecast of how these variables will change between now and the horizon year for the plan, 2030. Each of these factors is discussed in the subsequent sections.

### **Section 3.1 Population**

One of the more accurate predictors of travel behavior within an area is its population. Since the Rocky Mount Urban Area MPO resides within the Rocky Mount Metropolitan Statistical Area (MSA), examining the population changes within both the MSA and the MPO helps to put the two into perspective. Although the MPO more or less encompasses the City of Rocky Mount, the Town of Nashville, and the urban area (> 500 persons per square mile) contiguous to the city limits, the MSA consists of the aggregate of Nash and Edgecombe Counties.

According to the 2000 Census, the populations within the City of Rocky Mount and the Town of Nashville stand at 56,014 and 4,417 persons respectively (Appendix B). Based on its population and the reported population of the more than 500 other North Carolina municipalities, the City of Rocky Mount ranks as the 15<sup>th</sup> most populated.

Overall, the Rocky Mount Metropolitan Statistical Area experienced moderate growth over the ten year period from 1990 to 2000. The two-county area grew at an average rate

of approximately 0.73 % per year. Nash, the larger of the two counties, grew at a rate of 1.4 % per year for the period while the Edgecombe County population decreased at a rate of 0.17 % per year. During this time frame, the growth rate of the City of Rocky Mount was approximately 1.4 % per year. Through the year 2010, the populations of Rocky Mount, Nash County, and the MSA are projected to increase, but the population of Edgecombe County is predicted to decline.

Overall, the population within the MPO accounts for approximately 45% of that within the Rocky Mount MSA.

Table 3.1 summarizes the changes in population of the City of Rocky Mount, the Town of Nashville, the Rocky Mount Urban Area MPO, and the Rocky Mount MSA. This table also includes the most recent estimates for the change in population of these same areas through the horizon year of this Transportation Plan.

**Table 3.1: Population Trends** 

	1980	1990	2000	2010	2020	2025	2030
Rocky Mount	41,283	49,000	55,900	62,600	72,000	73,618	78,000
Nashville	3,033	3,617	4,417	5,080	6,095	6,704	7,314
MPO	48,800	60,300	65,800	73,400	86,542	98,000	90,415
MSA	123,141	133,235	143,026	155,769	157,350	171,049	164,391

As Table 3.1 suggests, the population within Rocky Mount and the MPO has maintained a growth rate in the range of 1.5% per year over the past 20 years. By contrast, the rate of change in population within the MSA over this same period of time is approximately one-half of that experienced within the City of Rocky Mount and the MPO, or on the order of about 0.7% per year.

Although the increase in population attributed to the City of Rocky Mount and the MPO is roughly twice that of the MSA, a portion of this increase can be attributed to the annexations undertaken by the City of Rocky Mount in 1994 and its merger with the Town of Battleboro in 1996. At present, the City of Rocky Mount and the Town of Nashville include approximately 36 and 2.6 square miles respectively within their corporate boundary. The MPO boundary (198 sq. mi.) has also been adjusted in conjunction with the expansion of the Rocky Mount Urban Area to include the Town of Nashville, NC. As a result, the MPO planning area includes both an urban and rural component, with the rural component being that area anticipated becoming urban in character within the next 20 years.

The number of persons per household is another measurement useful in predicting the travel characteristics of home units. Both the population and the number of households in the Rocky Mount MSA have increased from 1980 to 2000; however, the persons per household (PPH) number has decreased. According to U.S. Census 2000 statistics the PPH for Edgecombe and Nash Counties was 2.67 and 2.54 respectively (Appendix C). With associated age and income data the PPH becomes more informative as to what type of trips and how many are made by an average household.

### **Section 3.2** The Local Economy

The economic base of an area is an important factor to consider when assessing existing travel demand characteristics or when projecting future year travel demands. As with many eastern North Carolina towns, the local economy within the Rocky Mount Urban Area MPO primarily consists of jobs within the manufacturing and retail/service based sectors. The area does not include any military bases, major universities, or major tourist destinations.

The number of employers in the "Twin County" area is estimated to be 3,380, which can be classified as service producer or goods producer. The vast majority (80%) is service producers and the remainder (20%) is goods producers. Another typical characteristic is the small size of the average business in the Rocky Mount Urban Area MPO. For

example, only three private firms employ more than 1,000 persons, and 17 private firms employ more than 250 people.

The combined available labor force of Edgecombe and Nash Counties was estimated to be approximately 69,416 in June 2004 by the North Carolina Employment Security Commission (Appendix D). Of this number approximately 92% were employed. By industry classification, the largest percentage of workers (24.7%) is employed in manufacturing jobs, followed by 14.6% in retail trade and 11% in health care (Appendix E).

The economic climate of the Rocky Mount Urban Area has been difficult over the first several years of the 21<sup>st</sup> century. The downturn of the tobacco, textile, and furniture industries in North Carolina have been severely felt locally. Even though the unemployment rates for both Edgecombe and Nash Counties have exceeded the state and national averages for more than a decade, the differences have been more dramatic between 2000 and 2003 (Appendix F). Conditions have improved, however, during the first half of 2004 and we remain optimistic that this trend will continue.

The amount of travel that a person makes is directly proportional to his/her income. The 2004 per capita income of workers living in Edgecombe County is \$22,469 and \$25,998 in Nash County. Median family incomes are \$35,902 and \$44,769 for Edgecombe and Nash respectively compared to \$46,335 for the State of North Carolina (Appendix D).

Regarding the City of Rocky Mount, data collected in 1998 by Donald T. Iannone & Associates determined that the City's economic base consists of approximately 2,700 businesses and 38,833 jobs. Of this total, the study determined that approximately 80% of the jobs within the City are related to the manufacturing, retail, and service sectors. More specifically, the services sector accounts for 35 of every 100 jobs, while the retail sector and the manufacturing sector account for approximately 20 and 23 out of every 100 jobs in the "Twin County" area respectively.

An evaluation of the City's economic base by zip code also yielded some interesting facts. For instance, the largest number of businesses and jobs can be found within zip code 27804 (1,311 businesses accounting for 16,964 jobs). This analysis also revealed that the manufacturing and services related businesses were most concentrated in zip codes 27802 and 27804. More specifically, 88% (7,830 out of 8886) of the City's manufacturing related jobs and 79% (9,399 out of 11,954) of the City's services sector related jobs are located within one of these two zip codes.

Although there is approximately 50 to 60 employers within the study area that employ more than 100 employees, there are only a handful of employers with more than 1,000 employees. According to the Carolina's Gateway Partnership and the study conducted by David Iannone & Associates, these employers include Nash-Rocky Mount Schools (2,500 employees), Abbott Laboratories (1,875 employees), Nash Health Care Systems (1,700 employees), Consolidated Diesel Company (1,600 employees), Edgecombe County Schools (1,100 employees), and Glenoit Corporation (1,000 employees). Just inside the eastern MPO boundary, QVC also recently constructed a distribution center within Edgecombe County that at full build-out will employ 1,000 persons.

#### Section 3.3 Land Use

Since the approval in September 2001 of the Transportation Plan 2025, the City has adopted <u>Together Tomorrow – The Comprehensive Plan for Rocky Mount, North Carolina</u> in 2002, the <u>Land Development Code</u>, and the <u>Rocky Mount Collector Street Plan</u> in 2004. Each of these documents incorporates the Smart-Growth principles as guidelines for land use. Development of the Transportation Plan 2030 relied on these documents for guidance during development of the plan.

Land use within the boundaries of the MPO is as much a function of Rocky Mount's geographic location and its natural environment as it is the local commercial and residential development patterns. In terms of the natural environment, the most prominent natural feature within the Rocky Mount urban area is the Tar River, which originates in

the Piedmont near Roxboro, N.C. and more or less bisects Rocky Mount from the southwest to the northeast on its way to the Pamlico Sound and the Atlantic Ocean. Although the floodplain for the Tar River provides some of the richest farmland in the area, the ability to develop this land has been and continues to be limited by the floodway of the river and the finished floor elevations required for structures located within the floodplain. For example, current regulations in effect in the City of Rocky Mount require the finish floor elevation be 1 foot above the 100-year flood elevation. Current regulations also dictate that a project provide compensatory storage once the proposed fill exceeds 200 cubic yards per quarter acre. This is required to minimize the risk of flooding within the floodplain by maintaining adequate flood storage within the floodplain. In addition to its influence on land use and land development patterns in the area, the Tar River also represents a formidable barrier for the transportation system, due to the width of the river and its associated floodplain. The presence of the river also results in additional environmental constraints that must be addressed when pursuing proposed transportation improvements.

The size of land area boundaries associated with the local area and MPO are provided in Appendix G. Based on an inventory of existing land uses and zoning within the city limits and the ETJ, the largest portion of land is utilized (or currently zoned) for single-family residential. Of the 67,680 acres within the city limits and the ETJ, roughly 43% (13,425 acres) is allocated to single-family residential use. In addition to representing a majority of the planning area, the ratio of residentially zoned property (15,575 acres) to commercially zoned property (5,534 acres) has not changed appreciably within the last 10 years, with a ratio of nearly 3 to 1.

### CHAPTER FOUR TRANSPORTATION ELEMENTS

In this chapter, each of the main travel modes (i.e. Highway, Pedestrian, Bicycle, Railroad, Public Transit, Aviation) within the Rocky Mount Urban Area MPO is examined. Comprehensive planning for each method of travel is needed to ensure that the transportation network addresses the needs of the MPO through the year 2030. Together the several transportation modes work to provide a connectivity of places for the safe and efficient movement of people and goods at a reasonable cost (Appendix H through L).

### **Section 4.1 Highway Element**

The mode split within the Rocky Mount Urban Area is skewed heavily towards the automobile. As a result, most of the travel demand (people and goods) within the Rocky Mount Urban Area MPO relies on the use of local and state maintained roadways and bridges. These roadways include an interstate (I-95), regional routes (US 64, US 301), state highways (NC 4, NC 43, NC 48, and NC 97), state routes (e.g. Winstead Avenue, SR 1613), and city streets (e.g. Grace Street). According to the NCDOT 2002 Highway and Road Mileage there were 727 miles of state maintained highways in Edgecombe County and 1,066 in Nash County. The Powell Bill Maps (2004) indicate that 361 miles of municipal roads and streets exist in the City of Rocky Mount and 32 in the Town of Nashville.

Embedded within this hierarchy of roadways are various designing standards that address operating speeds, access characteristics, and vehicular capacity, etc. This stratification is more commonly referred to as the functional classification of a facility. While this distinction may seem of little consequence, these characteristics have a profound impact on the efficiency and effectiveness of the roadway network.

Many of these types of decisions are addressed when developing the Thoroughfare Plan. This long range planning document, a companion to the Transportation Plan, evaluates the types of roadway facilities required to meet future year travel demands within the planning area. Projects can range from the addition of a turn lane at an intersection to constructing a multi-lane access controlled roadway on new alignment. Once these projects have been identified, the Thoroughfare Plan also seeks to prioritize these projects based on a wide range of factors including, but not limited to, safety, network efficiency, public input, projected travel demand, cost, and the potential to promote economic development.

A number of highway improvements are currently underway in the MPO area as part of the *North Carolina Moving Ahead Program*. These particular projects are not carried by NCDOT as part of the normal Transportation Improvement Program (TIP).

The Rocky Mount Collector Street Plan (CSP) was adopted in June 2004 by the City Council. The CSP was developed to complement the Rocky Mount Comprehensive Plan and Thoroughfare Plan. The purpose of the CSP is to identify the existing collector street network and to develop standards and polices to promote the appropriate use of collector streets in future development areas. The CSP builds on the premise that connections provide choices, improve air quality and safety, reduce congestion, and contribute to an improved quality of life.

### **Section 4.2 Pedestrian Element**

Walking is the most basic means of transportation and is generally the least expensive to accommodate. Most trips begin and end as a pedestrian. Walking is also the most environmentally friendly mode. Walking generates no air pollution, requires very little right-of-way, results in few environmental impacts, and the required infrastructure has a relatively long service life.

Although addressed by some of the more recent federal legislation (ISTEA and TEA-21), the goal of the MPO is to promote and plan for facilities (either stand alone or adjacent to

the roadway) that provide for comfort, convenience, safety, security, and economy to the pedestrian. Sidewalks are one of the fundamental building blocks of a well-integrated transportation network. The MPO also recognizes that it is more cost effective to plan for sidewalks and other pedestrian related facilities in advance versus a retrofit.

In addition to providing an alternative mode for short trips, adequate pedestrian facilities are also beneficial in other ways. For example, residential neighborhoods in the vicinity of transit routes benefit from the addition of sidewalks by making the transit stops safer to reach (minimizing pedestrian-auto conflicts) and more accessible for transit patrons. This same logic applies to rail service. The greater the accessibility of each travel mode, the greater the degree of utilization. This relationship is much of what fuels the current reliance on the private automobile.

In response to the MPO's interest in planning for and improving pedestrian facilities in the area, a committee of local citizens was formed several years ago (the Citizens Advisory Transportation Group; CTAG) to address among other things the need for improved pedestrian access. Most members of this group are transit riders who also walk extensively to and from public facilities. This group meets on a regular basis to promote better planning for and the provision for improved pedestrian facilities. The input from the committee is also solicited by the MPO's transportation planning staff for consideration when evaluating short term and long-range transportation improvements within the MPO.

In addition to emphasizing the importance of including pedestrian facilities within the MPO's planning process, the MPO and the City of Rocky Mount has taken additional steps to make sure the needs of local pedestrians are adequately addressed. To realize this goal, steps were taken to make sure that both existing and proposed facilities comply with the American Disabilities Act (ADA), that new facilities are constructed in accordance with standard design practices, and that any existing lapses in the existing network of sidewalks were identified and systematically eliminated. Specific actions include:

- Updating the City of Rocky Mount Manual of Standard Specifications and Design Guidelines to include standards for the construction and repair of sidewalks,
- Working in conjunction with the NCDOT to complete a multi-year program to construct wheelchair ramps at street intersections within the city limits, and
- Developing a Sidewalk Priority List.

Although the first two items in this list represent major improvements, development of the sidewalk priority list is by far the most aggressive. This effort included an inventory of existing sidewalks and the identification of locations where existing foot traffic appears to warrant the construction of new sidewalks. Once completed, a rating system was developed to prioritize sidewalk needs. Areas with evidence of heavy foot traffic and areas near thoroughfares, transit routes, bus stops, schools, and public complexes were given the highest priority. The Current Sidewalk Priority List is included in the Appendix M.

Since 1998, the City of Rocky Mount has constructed or received funding for 20,065 linear feet of sidewalk at a cost of approximately \$612,000. Transportation Enhancement (TE) funds have been the major source of funding for these new sidewalks. Another application for TE funding was submitted in May 2004 to NCDOT for approximately 6,793 linear feet of 5-foot wide sidewalks. The results of this application are expected in 2005.

### **Section 4.3** Bicycle Element

With traffic congestion becoming more problematic and environmental regulations becoming increasingly stringent, many areas of the country are looking to promote the use of bicycles as an alternative to the use of the automobile. While the use of bicycles alone may only have a small impact in terms of reducing traffic congestion and improving air quality, promoting their use in conjunction with the increased use of other historically underutilized modes (such as bus and rail) is a step in the right direction.

Although the use of bicycles within the Rocky Mount planning area is more or less attributed to recreational users, a local group of enthusiasts have formed a club to further

the cause of bicyclists and to promote bicycle use locally. Citizens participating in the public workshops/neighborhood meetings held to discuss the local Thoroughfare Plan and Transportation Plan also expressed an interest in having the MPO evaluate more bicycle related improvements within the planning area. At present, the most significant bicycle related project within the MPO is the Tar River Trail, which connects Sunset Park to Martin Luther King Park.

In July 2004, the City of Rocky Mount was awarded a grant by NCDOT to develop a Comprehensive Bicycle Plan (CBP). The plan should be completed by the fall of 2005. A principal goal of the CBP will be to improve and encourage bicycle transportation in the City. The experience and knowledge gained during development of the CBP will be incorporated into future plans for the overall MPO area. The following concepts will be investigated as the Rocky Mount CBP is developed.

- Evaluating the potential for development of a scenic bikeway within the planning area,
- Identifying existing residential streets that may be used to develop local bicycle routes, and
- Compiling a list of initiatives that would seek to make bicycling more viable within the MPO (e.g. establishment of a Bicycle/Pedestrian Advisory Committee; procurement of bicycle racks for local parks, public gathering places, etc.; development of a brochure for distribution promoting bicycle use locally).

### **Section 4.4** Railroad Element

Rocky Mount has a rich railroad tradition. Trains skirted the eastern boundary of the community and by 1840 a downtown depot was in operation. Although the Emerson Shops and the Atlantic Coast Line Railroad are long gone, the depot still operates today. The passenger depot, which serves Amtrak patrons, was renovated and reopened in October 2000. The depot is also located immediately adjacent to the renovated bus station (March 1998), which accommodates both Rocky Mount Transit and Greyhound / Trailways bus services under one roof. Together these two facilities comprise the Rocky Mount Multi-Modal Transportation Center.

The CSX "A" Line, which includes 2 tracks, accommodates both passenger and rail service. At present, eight Amtrak passenger trains pass through the planning area on a daily basis. These trains stop to discharge and/or take on passengers at the Rocky Mount Train Station, which boasts an annual, boarding/de-boarding of more than 50,000 passengers. In addition to those trains providing passenger service to the\_area, approximately 20 freight trains operated by CSX Transportation use the "A" Line to transport cargo on a daily basis.

In addition to the three active rail corridors discussed above, there are also several abandoned spurs within the planning area. While these corridors contribute little with regards to the movement of people or goods at the present time, the potential exists to redevelop these facilities as a public trail or greenway. Efforts to this effect within other communities, such as\_the American Tobacco Trail in Durham, promote the reclamation of abandoned rail corridors as a means to further enhance pedestrian and bicycle access across the transportation network.

While rail service within the planning area is an integral part of the transportation network, its presence does create some challenges. For example, there are 66 at-grade railroad crossings within the planning area. These crossings exist where the railroad and surface street physically intersect. Recognizing the potential for collisions at such locations, most of the more heavily traveled crossings are equipped with gates, flashing lights, and a warning bell. Unfortunately, these systems are not failsafe, as motorists have been known to disregard these devices or even attempt to "beat" the train to a crossing.

Although the incidence of collisions associated with at-grade rail crossings has not been a problem within the planning area to date, the potential for this to occur will only increase in the future. With this in mind, the Traffic Separation Study, a study of each of the 34 at-grade rail crossings within the City of Rocky Mount was performed. The intent of this study is to assess which, if any, crossings can be eliminated due to redundancy and what

types of improvements should be pursued in the short-term, mid-term, and long-term to minimize the potential for collisions and to promote railroad safety in the future. The improvements recommended by the study should be incorporated into the Transportation Plan.



SWITCHING OPERATIONS IN THE ROCKY MOUNT TRAIN YARD

### **Section 4.5 Rocky Mount Transit Element**

The transit system in Rocky Mount began as a privately owned and operated system. In 1983, the City acquired new buses and took over operation of the service called Rocky Mount Transit. Since the bus system was acquired in 1983, the City has contracted with a provider to operate RMT services and has only been providing management and maintenance functions. In April 1997, the City entered into a four-year agreement with Mobility Services, Inc. to provide supervision and drivers for RMT have fixed route service.

RMT became Tar River Transit in 2003 and is currently operating seven fixed routes with a fleet of new buses that was put into service in July 2004. Of the routes, six are loops and one is operated in an inbound and outbound pattern. All routes are meeting at the Transfer Center located on Coast Line Street. Fixed route service is available Monday through Saturday, excluding the major holidays. All routes operate on hourly headways (weekdays and Saturday).

In accordance with the requirements of the Americans with Disabilities Act of 1990 (ADA), Tar River Transit also offers complementary paratransit services. The City's ADA service is known as the Dial-a-Ride Transportation Services (DARTS) Program.

#### **Section 4.6** Aviation Element

The expansion of the Rocky Mount Urban Area MPO Boundary in 2003 took in the Rocky Mount –Wilson Regional Airport (RWI), which serves the Counties of Nash, Wilson, and Edgecombe. Located 6.5 miles southwest from Rocky Mount on NC Hwy 97, the airport serves both passenger and corporate aircraft. RWI has one 7,000-foot runway, a passenger terminal building, and several hangars. General aviation services including flight instruction, aircraft charter, aircraft rental, airframe work, and engine repairs are provided by the Fixed Base Operator, AirCare, Inc.

While the airport has traditionally supported commercial air service and corporate and private aircraft, commercial passenger service was discontinued in March 2001. The discontinuation of service was primarily a result of the lack of available air carriers willing to provide service to the area and increased competition with Raleigh-Durham International Airport (located approximately 65 miles west of Rocky Mount) for air passengers.

While efforts to re-establish commercial service are on going, the airport continues to support usage by commercial, corporate, and private aircraft. Commercial planes utilizing the airport include Federal Express. Corporate planes and hangars are

maintained by RBC Centura, Standard Commercial Tobacco, MBM Corporation, and Guardian Care. At present, there are approximately 50 private aircraft based at RWI.

#### Section 4.7 ITS Element

With the funding for transportation improvements becoming increasingly scarce on the local, state, and federal levels, additional emphasis has been placed on maximizing the "capacity" provided by the existing transportation infrastructure. One of the more cost effective approaches to achieve this goal involves the use of technology to better manage and integrate the existing components of a transportation system. Because this approach routinely relies on advanced technologies to accomplish this goal, these tools generally fall within the category of Intelligent Transportation Systems (ITS).

Depending on the size, complexity, and diversity of the systems in question, there is a wide range of tools available to "maximize" the ability of the network to transport people and goods. From a local perspective, however, the construction and implementation of the Rocky Mount Closed Loop Signal System in December 1997 is the most significant investment in ITS technology within the MPO. At present, the system consists of 127 signalized intersections (grouped within 18 zones) and 3 video cameras. A majority of these intersections are interconnected via fiber optic cable, although several remote locations are equipped with telephone drops and modems. This interconnection allows for continuous communication between each of the intersections within a zone and between each of the zones and City Hall. In addition to allowing each of the intersections within a zone to operate in a "coordinated" manner, the ability to monitor, trouble-shoot, and revise the settings from a remote location is extremely beneficial. This is particularly true during emergency situations, when malfunctions are detected, or when "special" circumstances dictate some deviation from normal operating parameters (during unexpected detours, after an accident to facilitate traffic control, special events, street closures, etc...).

According to the NCDOT Traffic Engineering Branch, traffic signal systems have a life expectancy in the range of 7 to 10 years. Given the fact that construction of the current

system was completed in 1997, it is reasonable to expect that the current system will need to be updated due to its age and advances in technology by 2007. In addition to updating the system to incorporate new advances in signal system technology, the growth in traffic volumes and the addition of traffic signals within the MPO will also require expanded video surveillance capabilities and the extension of the fiber-optic cable plant to incorporate these new signalized intersections into the signal system. It is projected that the cost to upgrade the signal system and extend communications to those signals without fiber will be on the order of \$4.4 million.

Aside from the signal system, there are several other areas where ITS type applications may prove beneficial within the Rocky Mount Urban Area. Examples include providing advance warning and detour information in the vicinity of the at-grade railroad crossings through downtown Rocky Mount, disseminating information to motorists within the NC 4/US 301/US 64 corridors during emergency detours associated with I-95, the use of highway advisory radio (HAR) and variable message signs in conjunction with the evacuation of coastal communities when required due to the threat of a hurricane, and the implementation of ATIS to inform transit patrons of anticipated arrival and departure times at transit stops.

### CHAPTER FIVE FINANCIAL PLAN

The financial plan is an essential element of the Long Range Transportation Plan (LRTP). Federal regulations require the transportation improvements included in the LRTP be financially constrained. More specifically, the cost of those projects included in the Transportation Plan should not exceed the funds reasonably expected at the local level for construction of those improvements identified over the life of the plan.

Given the likelihood that the anticipated level of funding will not be sufficient to carry out the program in its entirety, a financially constrained plan also provides a more realistic picture of what can be programmed with the funding currently available. The plan also helps to alert local, state, and federal officials to the need for alternate funding sources to fully implement the improvements proposed to address future year travel demands projected within the MPO's planning area. In the event additional funding cannot be identified, the financial plan requires the MPO to prioritize and program those projects within the LRTP within the constraints of funds available. With this in mind, the financial plan incorporated into this document will:

- Demonstrate how the LRTP can be implemented
- Identify anticipated funding sources
- Recommend alternative financial strategies for transportation improvements
- Suggest additional projects / prioritize currently proposed projects as dictated by funding levels

### **Section 5.1** Overview of Financial Sources for Transportation

The State of North Carolina and the Governments in the MPO planning area have a variety of funding sources at their disposal for the development and maintenance of their transportation system. The vast majority of transportation funds available are generated by fuel taxes levied by the state and federal government. Federal funds are collected and

distributed to federal highway, railway, transit and aviation programs from which the State of North Carolina receives funds based upon eligible projects and funding formulas dictated by federal legislation. As do all other states, North Carolina also collects fuel taxes in addition to that collected on behalf of the federal government to construct roads and highways. In addition to financing improvements to state maintained roadways, a portion of these funds is distributed to eligible cities for maintenance and improvement of local roads. Currently these taxes are collected at a rate of 41.8 cents per gallon of gas. Of this total, 18.4 cents is the federal gas tax and 23.4 cents is the NC gas tax. Currently, NC ranks 40th in terms of the total tax levied per gallon of gas. On the local level, funds are collected from local tax levies, business license fees, and similar sources, to supplement those funds provided by the state.

Public transportation systems receive local, state, and federal funding for operations, planning, purchasing, and maintenance functions. Tar River Transit receives federal Section 5307 and 5303 and 5309 funds for these purposes.

### **Section 5.2 Existing Uses of Transportation Funds**

In the Rocky Mount Urban Area MPO, Federal and State funds are allocated to statewide programs, initiatives, and responsibilities. A portion of the funds is also allocated to the local governments for the development of long-range transportation plans. The Federal and State funds in the Rocky Mount Urban Area MPO are allocated to the following types of transportation programs.

- Interstate Highway Improvements and Repair (I-95)
- Highway Construction
- Public Transportation (Tar River Transit, AMTRAK)
- Resurfacing
- Sidewalks
- Bike Paths
- Restoration and Enhancement of Historic Transportation Facilities
- Bridge Replacement
- Bridge Repair

- Planning and Engineering Costs
- Operations and Maintenance of Existing Highways
- Administration

In some cases, the NCDOT uses the funds to do the work directly through state crews or through contract. In some areas, the state provides the funds and the local governments are required to perform the work with their crews or by contract.

In addition to the funds provided to local governments by the State, local governments also generate funds to be used in road maintenance and street construction. The local governments in the Rocky Mount Urban Area MPO planning area generally use a combination of taxes, fees, and grant monies to pay for transportation projects and maintenance. The most often used sources are ad valorum taxes and Powell Bill funds, which are monies returned by the NCDOT to eligible cities for maintenance of city streets. The amount of Powell Bill funds received locally is based upon the number of miles of streets maintained by the municipality and its population. The source of the Powell Bill funds is the North Carolina gasoline tax. In addition to motor fuel taxes, cities and counties have also used grants and developer contributions to make improvements to their transportation system.

In addition to funding the improvements themselves, the city and counties have implemented subdivision ordinances that require any subdividing property to meet certain requirements. The requirements include the construction of streets to the NCDOT standards at a minimum. The City of Rocky Mount has street construction requirements that exceed the NCDOT requirements. Also, the City of Rocky Mount has zoning regulations that require additional building setbacks on thoroughfares that have been identified in the Thoroughfare Plan for widening. This allows the property owner to develop their property, while also minimizing the cost of right-of-way and disruption to the neighborhood when a roadway is widened.

### **Section 5.3** Financial Projections

An important step in developing the financial plan involves assessing the funds available for constructing these projects included in the Transportation Plan. As with any projections, the information provided is the best estimate at this time. Actual funding will depend on a number of factors including the economy, population increase or decrease, and governmental regulations. A variety of financial data is presented in Appendix N through X.

For the purpose of this analysis, it was assumed that funding levels for Federal, State and Local governments would remain at current levels. To determine the state and federal share applicable to the Rocky Mount Urban Area MPO, a ten-year average of projects within the Transportation Improvement Program (TIP) was utilized. As summarized in Table 5.1, based on TIP projects programmed between 1998 and 2010, the current level of investment in transportation improvements is on the order of \$11.06 million per year (See Appendix R for a calculation of the values exhibited in Table 5.1). Assuming that future funding levels would amount to no less than 75% of the rate of investment over the past 10 years, this would amount to funding on the order of \$8.25 million per year. The Appendix W provides a list of those projects programmed with the MPO between 1998 and 2010 for further review.

Funding for public transportation related improvements in the Rocky Mount Urban Area included in the TIP between 1998 and 2008 was also compiled. Based on this evaluation, it is anticipated that the MPO would receive approximately \$570,000 on an annual basis to fund transit operations, planning, and capital improvements.

Although a majority of the Powell Bill funds received by Rocky Mount are used for maintenance purposes (resurfacing of streets, drainage improvements, etc.), a review of Powell Bill expenditures over the last eight years in Rocky Mount identified a number of transportation capital improvement projects. Assuming that this level of investment will

continue through the life of the Transportation Plan, approximately \$250,000 of Powell Bill funds may be budgeted for transportation improvements on an annual basis.

The City of Rocky Mount also supplements the use of Powell Bill monies with the use of monies from the General Fund. The City of Rocky Mount may be expected to allocate \$100,000 per year from the General Fund for transportation improvements based on budget data examined over the last 8 years.

Based on these projections, the funding available for transportation projects in the Rocky Mount Urban Area MPO is estimated to total \$9,170,000 annually. For a twenty-five year planning period, this equates to an investment of \$229,250,000 in 2004 dollars.

**Table 5.1: Funding Sources for Transportation Improvements (2004 Dollars)** 

Source	Projected Annual Allocation
Transportation Improvement Program	\$8,250,000
Public Transportation	570,000
Powell Bill	250,000
General Fund (City of Rocky Mount)	100,000
Annual Total	\$9,170,000
25 Year Projection TOTAL	\$229,250,000

### Section 5.4 Cost Estimates

In order to assess what level of funding would be required to fully implement these transportation improvements proposed through the year 2030, cost estimates were compiled across those modes currently addressed within the LRTP. Like the 2025 Transportation Plan, this plan predominantly consists of roadway related projects. This should not detract, however, from those proposed improvements associated with pedestrian, bicycle, rail, ITS and transit. In its entirety, implementation of the current

plan will require an investment of nearly \$330,000,000. An overview of each of the modes is provided below.

### **Highway**

All of the projects included in the highway element of this Plan are from the adopted 2003 Thoroughfare Plan (which is a long-range plan identifying future roadway needs and is not fiscally constrained). As depicted in Appendix V, there are 16 typical road cross-sections ranging from a four-lane divided interstate to a two-lane rural road section.

The North Carolina Department of Transportation maintains cost estimates for various types of roadway cross-sections, Based on this information, estimates were prepared for the various road projects. These estimates are based upon the length of the project multiplied by the per mile cost for the proposed roadway cross section. For the cost of additional right of way, average local ROW costs were incorporated into the project cost estimates. These costs ranged from \$50,000 per acre in a predominantly rural area to \$100,000 per acre in an intensively developed urban setting.

Federal planning regulations also require that the operation and maintenance of the transportation network be considered. The City of Rocky Mount expends approximately \$8,500 per mile per year to maintain 262 miles of city streets. This does not include resurfacing cost. The City plans to resurface each street based upon a 15-year life cycle. The cost to resurface is approximately \$60,000 per mile at current prices. By adding resurfacing cost into the street maintenance cost, the current cost to maintain streets in Rocky Mount is approximately \$12,500 per mile per year. New streets are assumed not to require resurfacing for 15 years. Maintenance and resurfacing costs for streets is an eligible expenditure of Powell Bill funds and is currently the primary source of funding for these activities.

### **Pedestrian**

The City is actively involved in sidewalk construction and repair. Additional grants are being pursued for this purpose. An allowance of \$350,000 for the local share cost of new

sidewalks has been included in this Transportation Plan. Additionally, \$500,000 is included for sidewalk rehabilitation. Rocky Mount has an opportunity to develop a Rail to Trail facility along the abandoned rail line from downtown to the former site of Rocky Mount Mills. In order to establish this important pedestrian link, \$225,000 has been set aside for this project.

### **Bicycle**

Bicycle facility improvement projects are anticipated with the completion of the Rocky Mount Comprehensive Bicycle Plan in the fall of 2005. An allowance of \$60,000 is stipulated for bicycle projects to encourage and improve bicycle transportation in the local area.

### Rail

The Rocky Mount Traffic Separation Study has been conducted to determine how the railroad crossings in Rocky Mount can be improved and made safer. The NCDOT and the City of Rocky Mount are negotiating several possible rail crossing closures. Once finalized, improvements at specified rail crossings will be incorporated into the LRTP.

### **Aviation**

Improvement projects for the airport base facility are not included in this plan.

Improvements to the transportation network serving the airport, however, are included in this plan.

### **ITS**

The cost associated with upgrading and expanding the signal system is based on an estimate provided by the NCDOT Traffic Engineering Branch. Although the cost associated with certain components of upgrading the system (e.g. additional surveillance cameras) can be reasonably estimated, anticipating what new technology may be available to expand the capabilities of the system within the next 5 to 7 years is more problematic. With this in mind, an estimate of \$4.4 million was utilized for planning

purposes. Based on historical data for upgrading signal systems elsewhere in North Carolina, this estimate appears reasonable.

The cost for implementation of an advanced signing/dynamic detour in conjunction with the at-grade railroad crossings through downtown Rocky Mount reflects the cost of the dynamic signs required in advance of the crossings and the communications infrastructure required to support this system. Although it may be possible to implement a less costly alternative once a design for the system is prepared, an estimated cost of \$200,000 was selected for planning purposes.

## **Transit**

The transit related improvements included in the Transportation Plan reflect those identified in the Long Range Transit Plan and the Capital Improvement Program. Most of these projects have been programmed for implementation within the next 6 years. The estimate for the Transportation Administration/Maintenance Building represents the proposed budget for this facility at this time. As one might reasonably expect, the actual cost is subject to change due to individual site constraints and a host of other variables. The amount proposed for major bus maintenance reflects historical expenditures by Tar River Transit and anticipated maintenance costs for the current fleet.

 Table 5.2: Proposed Transportation Improvements FY 2005 - 2030

Mode	<b>Projected Cost</b>
Highway	
TIP and Local Projects Identified in Thoroughfare Plan	\$320,000,000
Spot Safety/Roadway Capacity Improvements	\$1,500,000
Pedestrian	
Phase I Sidewalk Priority List	\$350,000
Sidewalk Rehabilitation Program	\$500,000
Mill Village Spur (Rails to Trails)	\$225,000
Bicycle	
Development of Local Bike Routes	\$50,000
Designation of Scenic Bikeway	\$10,000
Rail	
Improvements Associated with Traffic Separation Study (TSS)	\$1,800,000
ITS	
Signal System Upgrade	\$4,400,000
Advanced Signing-Dynamic Detour for at-grade crossings	\$200,000
Transit	
Bus Turn-outs	113,000
Major Bus Maintenance	860,000
Service Vehicle	70,000
Lift Equipped MiniVan	40,000
Replacement of Lift Equipped Vans	170,000
TOTAL	\$330,288,000

## Section 5.5 Financing Strategy and Summary

Section 5.1 outlined the current funds used for capital road projects and road maintenance. Section 5.3 outlined future funds that are anticipated to be available for road construction and maintenance. Section 5.4 looked at the cost of constructing the priority projects and the cost of maintaining the existing streets and the streets to be constructed within the next 20 years.

The highway improvements identified the Transportation Plan have been prioritized as follows. The current Transportation Improvement Program projects scheduled for construction by 2010 have been listed first. Needed projects not on the TIP were grouped in Phases 1, 2, 3 and 4 with highest priority assigned to the Phase 1. Phase 1 projects have been recent requests as "Unmet Needs" in TIP negotiations with NCDOT. Phase 2 projects are associated with the southern connector, which was first identified in the 1985 Thoroughfare Plan. Projects associated with the implementation of the northern connector and widening projects comprise the Phase 3 projects. Phase 4 contains additional projects, which are required to meet anticipated projected travel demands through 2030.

The Transportation Plan is fiscally constrained if only Phases 1, 2, and 3 of the Highway Element of the Transportation plan are constructed. The current TIP projects and Phase 1, 2, and 3 projects total approximately \$203,388,000. The financial projection for TIP projects is approximately (25 x \$8,250,000) \$206,250,000 over the time of the Transportation Plan. The balance of anticipated funding for transportation (\$229,250,000 less \$206,250,000) would be used for transportation improvements among the other modes of travel.

The projects identified in Phase 4 of the Transportation Plan would require additional funds to be constructed. The projects could be funded in a number of different ways including increases in the federal allocation to the NCDOT, increases in the NCDOT

direct revenues due to an increase in the gas tax or the addition of other revenue streams, and increases in local revenues generated by ad valorem taxes and grants. As funding conditions change, however, the Transportation Plan priorities should be re-examined.

A factor not included in the revenue projections was developer contributions. Through diligent planning and earlier project identification, regulations, policies and procedures could be developed to protect corridors for future thoroughfares, and require contributions from developers as property develops. These measures would reduce the cost of right of way, and in some cases, would require the developer to make the planned improvement

## APPENDIX

TO

## ROCKY MOUNT URBAN AREA MPO

TRANSPORTATION PLAN 2030

# POLICY FOR SEEKING PUBLIC COMMENT

APPENDIX A-

## The following is a statement of policy for the Rocky Mount MPO for

involving the public in transportation planning:

Every year the Rocky Mount Urban Area Transportation Planning staff will

draft a proposed transportation project request list.

2.

3.

The project request list will be presented to the Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) for review, comment, and modification, normally in September of each year.

After review by the TAC, the proposed project request list will be advertised

by legal notice and the TAC will conduct a public hearing on those projects

- that are proposed as changes from the preceding year's project list submitted to the NC Department of Transportation (NCDOT). The public hearing will be advertised by legal notice published two times within a thirty-day period preceding the date of the hearing. This hearing will be held prior to the NCDOT Division 4 annual meeting whenever practical.

  4. After the public hearing, the TAC will approve the project request list, including prioritizing the requested projects, and present it to the Board of
- Transportation to consider for inclusion in the annual State Transportation Improvement Program (STIP) Update. When practicable, presentation of the project list shall be made at the annual Division 4 meetings held for this purpose.
   In May, the Board of Transportation will release the list of local projects proposed for the annual STIP Update (LTIP). Following review of the draft LTIP by the MPO lead agency staff and NCDOT Urban Area Coordinator.
- proposed for the annual STIP Update (LTIP). Following review of the draft LTIP by the MPO lead agency staff and NCDOT Urban Area Coordinator, staff will advertise the Rocky Mount Urban Area projects included in the STIP Update by legal notice giving 30 days opportunity for public comment. The notice will provide an address for written comments and a name and phone number to call for oral comments. The notice will indicate the availability of a man showing the location of proposed projects.
- phone number to call for oral comments. The notice will indicate the availability of a map showing the location of proposed projects.
  Before or during the 30-day advertised comment period, the TCC will review the draft LTIP and any public comments available at that time and will
- Before or during the 30-day advertised comment period, the TCC will review the draft LTIP and any public comments available at that time, and will forward a recommendation to the TAC.
  After considering the comments from the public received during the 30-day

of Transportation.

public comment period and the TCC recommendation, the TAC will adopt the Local Transportation Improvement Program (LTIP) and submit it to the Board

## APPENDIX B

	Population Estimates								
	1980	1990	2000	2005	2010	2015	2020	2025	2030
Nashville	3,033	3,617	4,417	4,748	5,080	5,587	6,095	6,704	7,314
Rocky Mount	42,158	49,961	56,014	60,000	64,000	68,000	72,000	75,000	78,000
Edgecombe County	55,988	56,558	55,606	53,596	52,762	51,798	50,733	49,481	48,181
Nash County	67,153	76,677	87,385	91,544	96,577	101,578	106,617	111,451	116,210
Rocky Mount MPO			78,600	79,800	82,136	84,357	86,542	88,513	90,415
Rocky Mount MSA	123,141	133,235	142,991	145,140	149,339	153,376	157,350	160,932	164,391
North Carolina	5,880,095	6,628,637	8,046,807	8,709,947	9,441,440	10,194,993	10,943,973	11,711,250	12,467,232

Sources:

U.S. Census

NC State Demographics Rocky Mount MPO

M Drive population estimates 8/25/2004

## **APPENDIX C**

## Socio - Economic Data

	Edgecombe County	Nash County	North Carolina
		HRS: AMERICAN	1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864
Persons Per Square Mile			
1990	112.0	141.9	136.1
1996	111.0	159.2	150.3
2000	110.1	161.8	165.2
Per Capita Income			
1996	\$21,120.00	\$19,816.00	\$21,079.00
2002	\$22,469.00	\$25,998.00	\$27,785.00
专			
Registered Vehicles Per 1,000 Population	3		
1996	708.1	760.8	768.8
2003	758	809	792
Land Area Square Miles	505	540	48,718
	\$\$\$\$ \(\sigma\) \(\sigma\) \(\sigma\)	drake %	Sel v A. Selferinininin S. C. S. A. Gallago
Miles of Paved Roads Per Square Mile			
1996	1.40	1.80	1.40
2002	1.41	1.92	1.48
			33 (123 - 124 ) 24 (123 - 124 )
Persons Per Household			
1996	2.74	2.60	2.54
2000	2.67	2.54	2.49
Unemployment Percent			
1996	12.0	6.3	4.3
2000	6.8	4.8	3.4
2003	10.8	7.4	6.25

Q drive/Transportation Socio - Economic Data 9/3/2004

## APPENDIX D

## **EMPLOYMENT/INCOME PROFILE**

	State of NC	Nash County	Edgecombe County
Labor Force Estimates - June 2004			
Labor Force	4,254,517	43,876	25,540
Employed	4,009,240	40,515	23,040
Unemployed	245,277	3,361	2,500
Unemployment Rate	5.8%	7.7%	9.8%
Income 2002 Per Capita	\$27,785	\$25,998	\$22,469
2000 Median Family	\$46,335	\$44,769	\$35,902
Avg. Weekly Wage - June 2003	\$620.77	\$578.55	\$532.65
Number of Employers - June 2003 Goods Producing	41,423	474	180
Service Producing	183,354	1,847	879

Data Source: NC Employment Security Commission (July 2004)

## APPENDIX E

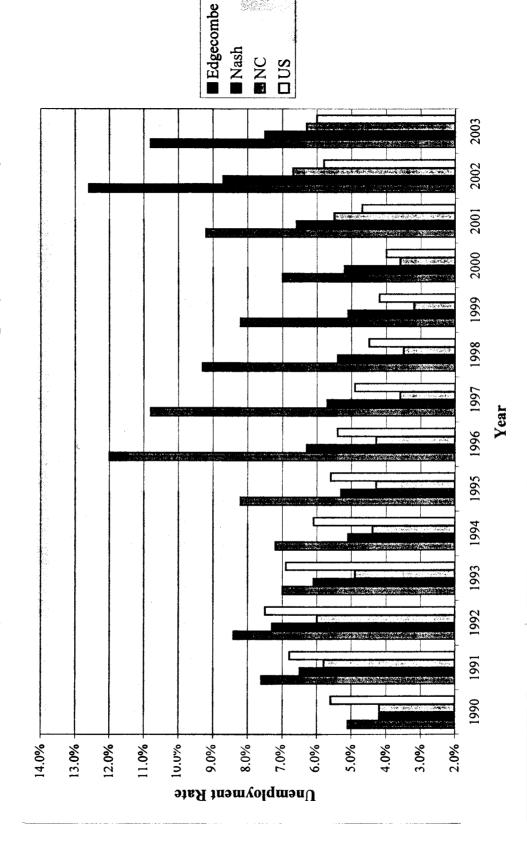
# **Industry Employment in Edgecombe & Nash Counties**

Industry	Edgecombe	Nash	Total	- %
Manufacturing	4,749	7,995	12,744	24.7%
Retail Trade	1,997	5,531	7,528	14.6%
Health Care & Social Assistance	2,150	3,531	5,681	11.0%
Accommodation & Food Services	1,089	3,202	4,291	8.3%
Wholesale Trade	1,466	2,370	3,836	7.4%
Construction	1,956	1,774	3,730	7.2%
Administrative & Waste Services	750	2,160	2,910	5.6%
Finance & Insurance	352	1,685	2,037	3.9%
Agriculture, Forestry, Fishing & Hunting	320	1,324	1,644	3.2%
Other Services, Ex. Public Admin	397	1,076	ī,473	2.9%
Information	898	483	1,381	2.7%
Professional & Technical Services	238	734	972	1.9%
Transportation & Warehousing	471	513	984	1.9%
Management of Companies & Enterprises	151	701	852	1.7%
Real Estate and Rental and Leasing	166	418	584	1.1%
Educational Services	***	447	447	0.9%
Arts, Entertainment & Recreation	65	210	275	0.5%
Utilities	144	****	144	0.3%
Unclassified Establishments	32	76	108	0.2%
Mining	****	****	****	****
Totals			51,621	100.0%

\*\*\*\* Suppressed

Source: NC Employment Security Commission, June 2004

# Edgecombe/Nash/NC/US Unemployment History



## **APPENDIX G**

# Land Areas (Sq. Miles) Associated with Transportation Planning Town of Nashville, NC 2.60 City of Rocky Mount, NC 35.52 RM Urban Area 46.00 RM MPO 198.00 **Edgecombe County** 505.00 Nash County 540.00 North Carolina 48,718.00

M drive Land areas 8/19/2004

## **APPENDIX H**

## Rocky Mount Urban Area MPO Municipal Road & Street Inventory - Mileage 2004

	City of Rocky Mount	Town of Nashville
NC Highway System	90.94	7.68
Paved Streets	262.28	24.02
Unpaved Streets	7.82	0.41
Total Mileage	361.04	32.11

## **APPENDIX**

# Summary of Highway Mileage

	Edgecombe County	Nash County	North Carolina
State Primary Rural Paved	203.55	192.26	11,897.01
State Primary Municipal Paved	33.62	61.12	2,744.14
State Primary Unpaved	0.00	0.00	28.74
State Secondary Rural Paved	437.41	716.09	53,271.31
State Secondary Rural Unpaved	14.61	28.48	6,049.25
State Secondary Municipal Paved	37.80	68.61	4,408.73
State Secondary Municipal Unpaved	0.37	0.12	91.02
Interstate *	0.00	26.27	1,018.67
Total State Maintained	727.36	1,066.68	78,490.20

Source: NCDOT 2002 Highway and Road Mileage

M drive highway mileage 8/19/2004

<sup>\*</sup> The Interstate mileage is included in the primary road figures.

## **APPENDIX J**

# Amtrak Service in Rocky Mount, NC

Train No.	Name	Rocky Mount Departure Time	Direction	From	То	Arrival Time
98	Silver Meteor	1:01 AM	Northbound	Miami	New York	10:12 AM
97	Silver Meteor	3:00 AM	Southbound	New York	Miami	9:35 PM
92	Sthrag Stan	C.51 AM	137- Although	N	N. Vode	2 20 PM
92	Silver Star	6:51 Alvi	Northbound	Miami	New York	3:28 PM
90	Dalmatta	10:09 AM	DY- with annual	Minni	N - Vade	7.21 DM
90	Palmetto	10:08 Aivi	Northbound	Miami	New York	7:31 PM
90	Constintion	12:50 PM	37 d bd	C' 1-40	37 - A	2 42 PM
80	Carolinian	12:59 PM	Northbound	Charlotte	New York	9:40 PM
70		2.06.014				
79	Carolinian	3:06 PM	Southbound	New York	Charlotte	8:11 PM
89	Dalmatta	4.25 DM	9 4h hound	N Vork	Minni	12:20 DM
89	Palmetto	4:25 PM	Southbound	New York	Miami	12:20 PM
91	Silver Star	8:48 PM	Southbound	New York	Miami	5:20 PM

## Note

The "Rocky Mount Departure Times" for all Northbound trains reflects scheduled arrival time plus 10 minutes. Southbound train departure times reflects scheduled departure times.

Q drive/Transportation Amtrak Service 8/18/2004

## APPENDIX K

# Intercity Bus Service In Rocky Mount, N.C.

Carrier	Bus Line Schedule No.	Rocky Mount Departure Time	Origination Point	Destination	Scheduled Time of Arrival
GLI	1044	12:25 AM	Charlotte, N.C.	New York, N.Y.	11:30 AM
CCC	572	5:00 AM	Charlotte, N.C.	Norfolk, Va.	7:40 AM
GLI	1043	5:40 AM	Philadelphia, Pa.	Greenville, S.C.	7:20 PM
CCC	571	11:20 AM	Richmond Va.	Camp LeJeune, N.C.	2:35 PM
CCC	570	11:45 AM	Camp LeJeune, N.C.	Richmond Va.	2:30 PM
CCC	308	11:45 AM	Raleigh, N.C.	Norfolk, Va.	2:40 PM
CCC	303	11:45 AM	Norfolk, Va.	Raleigh, N.C.	12:55 PM
GLI	1047	12:15 PM	New York, N.Y.	Tampa, Fl.	9:00 AM
CCC	305	3:30 PM	Norfolk, Va.	Raleigh, N.C.	5:00 PM
GLI	1040	6:45 PM	Miami, Fl.	New York, N.Y.	5:15 AM
CCC	312	7:20 PM	Raleigh, N.C.	Norfolk, Va.	10:25 PM
CCC	576	9:40 PM	Camp LeJeune, N.C.	Richmond Va.	12:20 AM
CCC	575	9:45 PM	Richmond Va.	Camp LeJeune, N.C.	12:50 AM
CCC	309	9:45 PM	Norfolk, Va.	Fayetteville, N.C.	12:40 AM
Notes:					
The state of the s	abbreviation	for Greyhound I	Lines Inc.		
		for Carolina Coa			
Rocky Mo	unt Bus Statio	on Contact For S	chedule Information: J	im Fratantuono.	Control of the Contro

rmbus 8/18/2004

# APPENDIX L

## Average Travel Time in Hours to Selected Destinations From Rocky Mount, NC

Destinations	Road Miles	Auto	Train	Bus	Airplane
Nashville, NC	13	0.3	N/A	N/A	N/A
Tarboro, NC	17	0.4	N/A	0.3	N/A
Wilson, NC	18	0.5	0.3	0.5	N/A
Greenville, NC	41	1.0	N/A	1.0	N/A
Roanoke Rapids, NC	41	1.0	N/A	1.0	N/A
Raleigh, NC	53	1.2	1.5	1.2	N/A
Fayetteville, NC	95	1.8	1.5	3.2	N/A
Elizabeth City, NC	110	2.2	N/A	5.8	N/A
Morehead City, NC	120	3.0	N/A	3.8	N/A
Richmond, Va	127	2.2	2.5	2.2	N/A
Greensboro, NC	123	2.5	3.5	4.5	6.5
Norfolk, Va	140	2.8	N/A	2.8	N/A
Wilmington, NC	133	3.0	3.5	3.5	N/A
Nags Head, NC	160	3.5	N/A	N/A	N/A
Charlotte, NC	199	4.0	5.0	6.0	3.5
Washington, DC	237	4.0	4.5	5.3	3.5
Asheville, NC	296	4.0	N/A	11.5	N/A
Philadelphia, Pa	383	6.2	7.0	10.7	5.7
Atlanta, Ga	465	7.8	9.0	12.7	3.8
New York, NY	472	7.5	10.0	11.0	4.0
Jacksonville, Fl	480	8.0	9.0	14.0	5.7
Nashville, Tn	595	10.0	16.0	19.0	6.5
Orlando, Fl	625	10.2	15.0	16.0	4.1
Miami, Fl	835	13.3	20.0	22.0	4.5
Chicago, IL	930	14.5	25.0	22.0	4.5
Tulsa, Ok	1,205	19.0	N/A	37.0	6.8
Dallas, Tx	1,245	20.0	48.0	36.0	8.5
Denver, Co	1,730	27.0	50.0	46.0	10.0
Las Vegas, Nv	2,385	37.0	63.0	65.0	10.2
Los Angeles, Ca	2,600	40.0	70.0	80.0	10.5
San Francisco, Ca	2,900	46.0	81.0	75.0	10.5
Portland, Or	2,930	46.0	80.0	79.0	11.2
Seattle, Wa	3,000	46.0	80.0	79.0	10.3
The state of the s					
Note:					

Q Drive Transportation Folder Travel Destinations and Time

# CHRRENT SIDEWALK PRICRITY LIST

Railogh St.   V. Pinehurst Dr. Creek)   E. Pinehurst Dr. Couth   Coost   Coost   Couth   Coost   Coo								
Raileigh St.         W. Pinehurst Dr. (Creek)         E. Pinehurst Dr. (Anderson St. Anderson	STREET	01	FROM	SIDE	LENGTH	ШÖ	STIMATED OST *	
Church St.         Bennett St.         Anderson St.         Cauch         650         \$ 12,000           Grace St.         Nash St.         Nash St.         East         400         FAR 1 TOTAL           Grace St.         Nurset Ave.         Fromas St.         East         625         50           Formuch St.         Claycon St.         Free St.         North         400         \$ 14,000           Promas St.         River Dr.         Free St.         Lee St.         Lee St.         1400           Grand Ave.         Myle Ave.         Highland Ave.         South         400         S 14,000           Brownest Ave.         Thomas St.         Lee St.         Land St.         North         400         S 14,000           Brownest Ave.         Thomas St.         Land St.         North         400         S 14,000           Brownest Ave.         Stoney Creek Dr.         Jones Rd.         North         400         S 14,000           Brunset Ave.         Stoney Creek Dr.         Jones Rd.         North         400         S 14,000           Brunset Ave.         Grace St.         Franklin St.         North         400         S 14,000           Brunset Ave.         Grace St.         Land St. <t< th=""><th></th><th></th><th>E. Pinehurst Dr.</th><th>South</th><th>700</th><th></th><th>24.500</th><th></th></t<>			E. Pinehurst Dr.	South	700		24.500	
Grace St.         Nash St.         Wrestern Ave         East         400         FRAR 1707AL         5.2 500           Grace St.         Surse Ave.         Bringston Ave.         South         1500         FRAR 1707AL         25.2 500           Church St.         Clayton St.         Lees St.         North         400         \$ 2.2 600           Floration St.         Mayle Ave.         Highland Ave.         South         1450         \$ 2.5 00           Grand Ave.         Myle Ave.         Highland Ave.         South         1400         \$ 2.0 00           Sunset Ave.         Tar River         Lee St.         Highland Ave.         South         1400         \$ 2.0 00           Sunset Ave.         Tar River         Lee St.         Lee St.         Lee St.         14.000         \$ 2.0 00           Sunset Ave.         Stoney Creek Dr.         Fredmont Ave.         South         400         \$ 2.0 00           Sunset Ave.         Stoney Creek Dr.         Fredmont Ave.         North         5 0.125         14.000           Sunset Ave.         Stoney Creek Dr.         Fredmont Ave.         North         5 0.0 125         14.000           Sunset Ave.         Stoney Creek Dr.         Fredeley Reachwood Dr.         Tar River         No			Anderson St.	West	650		22,750	
Grand Ave.         N E Main St         Myrtle Ave         South         1500         YEAR 1 TOTAL         C2.500           Grace St.         Clustest Ave.         Honnas St.         East         625         ACART 1 TOTAL         \$ 2.500           Flowton St.         Clustest Ave.         Kingston Ave.         Mosth         400         \$ 14,000           Thomas St.         May o St.         Lee St.         North         400         \$ 14,000           Grand Ave.         Mytest Dr.         Lee St.         North         400         \$ 14,000           Sunset Ave.         Tree St.         Lee St.         Lee St.         North         400         \$ 14,000           Sunset Ave.         Tree St.         Lee St.         North         400         \$ 14,000           Sunset Ave.         Stores Creek Dr.         Frankland Rd.         North         400         \$ 14,000           Sunset Ave.         Stores Creek Dr.         Frankland Rd.         North         775         \$ 20,125           Thomas St.         Taylor St.         North         775 <b>YEAR 5 TOTAL</b> \$ 20,012           Sunset Ave.         Stores Creek Dr.         Frankland Rd.         North         775 <b>YEAR 5 TOTAL</b> Su		Nash St.	Western Ave.	East	400		14,000	
Clayton St.         Curset Ave.         Thomas St.         East         625         YEAR 1 TOTAL         1 S7 Co.           Church St.         Clayton St.         Lee St.         Lee St.         East St.         800         \$ 26000           Peachtree St.         Mayte Ave.         Highland Ave.         South         1450         \$ 24,000           Promas St.         River Dr.         Trevathan St.         North         400         \$ 14,000           Sunset Ave.         Land St.         Land St.         Land St.         North         400         \$ 14,000           Raleigh Rd.         Nelson St.         Brankline Rd.         South         1400         \$ 14,000           Sunset Ave.         Stoney Creek Dr.         Jones Rd.         North         700         \$ 14,000           Sunset Ave.         Stoney Creek Dr.         Jones Rd.         North         700         \$ 14,000           Sunset Ave.         Jones Rd.         North         700         \$ 14,000         \$ 14,000           Sunset Ave.         Jones Rd.         North         700         \$ 14,000         \$ 14,000           Sunset Ave.         Jones Rd.         North         700         \$ 14,000         \$ 12,000           Sunset Ave.		N E Main St	Myrtle Ave	South	1500	8	52,500	
Church St.         Church St.         Church St.         Fast         625         \$ 21,875           Church St.         Church St.         Church St.         Most         625         \$ 21,000           Church St.         Clayton St.         Lee St.         North         400         \$ 10,000           Pacachtree St.         May o St.         Tewathan St.         North         400         \$ 14,000           Grand Ave.         Myle Ave.         Highland Ave.         North         400         \$ 14,000           Sunset Ave.         I Lee St.         North         400         \$ 14,000           Sunset Ave.         I Land St.         South         AVO         AVA           Pacing St.         Enyant St.         Jones Rd.         North         AVO         AVA           Pomats Ave.         Jones Rd.         Jones Rd.         North         AVA         AVA           Pomats Ave.         Jones Rd.         Taylor St.         Individual St.         AVA         AVA           Sunset Ave.         Jones Rd.         North         AVA         AVA         AVA         AVA           Sunset Ave.         Jones Rd.         Taylor St.         Taylor St.         AVA         AVA         AVA         A						_		\$113,750
Control St.         Clayoton St.         Lee St.         Kingston Ave.         West         800         \$ 26,000           Peachtree St.         River Dr.         Trevathan St.         North         460         \$ 44,000           Peachtree St.         River Dr.         Trevathan St.         Trevathan St.         Trevathan St.         57,750           Grand Ave.         Myle Ave.         Land St.         Land St.         1400         \$ 44,000           Sunset Ave.         Tar River         Land St.         East         800         \$ 44,000           Raleigh Rd.         Nelson St.         Bryan St.         Bryan St.         Bryan St.         140,000           Stones Care St.         Bryan St.         Grace St.         Grace St.         Franklin St.         North         755         8 43,750           Sunset Ave.         Jones Rd.         Franklin St.         North         756         \$ 14,000         125           Sunset Ave.         Jones Rd.         Franklin St.         North         756         \$ 14,000         125           Sunset Ave.         Jones Rd.         Franklin St.         North         760         \$ 14,000         125           Sunset Ave.         Jones Rd.         TarRier St.         North		Sunset Ave.	Thomas St.	East	625		21,875	
Propries St.         Mayo St.         Lee St.         North         400         \$ 14,000           Propries St.         Raylo St.         Trewathan St.         North         400         \$ 14,000           Grand Ave.         I Land St.         North         400         \$ 14,000           Sunnest Ave.         Tar River         North         400         \$ 14,000           Paleigh Rd.         North St.         South         700         \$ 14,000           Paleigh Rd.         North St.         North         700         \$ 20,125           Promas St.         Stroke St.         Fanklin St.         North         700         \$ 20,125           Promas St.         Taylor St.         Porth         700         \$ 20,125         \$ 14,000           Sunset Ave.         Stroke St.         Fanklin St.         North         700         \$ 20,125         \$ 14,000           Sunset Ave.         Jones Rd.         Englewood Dr.         North         775         YAR ST. 125         \$ 20,125           Sunset Ave.         Land St.         Taylor St.         North         775         YAR ST. 125           Sunset Ave.         Dominick Dr.         Tarkever         North         775         YAR ST. 125		Clayton St.	Kingston Ave.	West	800		28,000	
Peachtree St.         River Dr.         Trevathan St.         Weet         Trevathan St.         Weet         Trevathan St.         Trevathan St.         Weet         Sporth         4450         FAR 2 TOTAL         Sp.7750           Grancet Ave.         Tar River         Highland Ave.         South         4450         \$ 49,000           Raleigh Rd.         Nelson St.         Bryant St.         Sunset Ave.         North         400         \$ 49,000           Raleigh Rd.         Nelson St.         Bryant St.         Sunset Ave.         North         400         \$ 28,000           Browney Creek Dr.         Sunset Ave.         North         700         \$ 14,000           Peachtree St.         Grace St.         Franklin St.         North         400         \$ 14,000           Sunset Ave.         Jones Rd.         Englewood Dr.         North         400         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Taylor St.         Taylor St.         14,000           Sunset Ave.         Dominick Dr.         Tar River         North         400         \$ 41,000           Sunset Ave.         Dominick Dr.         Tar River         North         400         \$ 41,000           Sunset Ave.         Domin		Mayo St.	Lee St.	North	400		14,000	
Grand Ave.         Mytle Ave.         Highland Ave.         South St.         450 (100)         \$ 60,750           Bunners St.         Lee St.         Land St.         North A00         \$ 5 (100)         \$ 5,100           Bunnert Ave.         North A00         \$ 5 (100)         \$ 5 (100)         \$ 5,100           Releigh Rd.         North A00         \$ 5 (100)         \$ 5,100         \$ 5,100           Peachtree St.         Stones Creek Dr.         Franklin St.         North A00         \$ 5 (100)         \$ 14,000           Sunset Ave.         Jones Rd.         Englewood Dr.         North A00         \$ 5 (100)         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Bryant St.         North A00         \$ 5 (10)         \$ 14,000           Sunset Ave.         Land St.         Land St.         Taylor St.         Taylor St.         \$ 14,000         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Taylor St.         North A00         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$		River Dr.	Trevathan St.	West	1650	,		1
Carand Ave.         Ingitial and Ave.         Highland Ave.         South Ave.         1450         \$ 14,000           Sunset Ave.         Tar River         Piedmont Ave.         South         1400         \$ 14,000           Sunset Ave.         By ant St.         By ant St.         Piedmont Ave.         South         400         \$ 14,000           Sunset Ave.         Stoney Creek Dr.         Jones Rd.         North         400         \$ 24,500           By ant St.         Bryant St.         France St.         France St.         France St.         France St.         France St.         14,000           Sunset Ave.         Jones Rd.         France St.         France St.         France St.         14,000         \$ 24,500           Sunset Ave.         Jones Rd.         France St.         France St.         France St.         14,000         \$ 24,500           Sunset Ave.         Dominick Dr.         North         775         YEAR TOTAL         \$ 14,000           Sunset Ave.         Dominick Dr.         North         775         YEAR TOTAL         \$ 14,000           Sunset Ave.         Dominick Dr.         North         775         YEAR TOTAL         \$ 14,000           Sunset Ave.         Dominick Dr.         North         775 </td <td></td> <td></td> <td></td> <td>:</td> <td></td> <td>YEAR</td> <td></td> <td>\$ 121,625</td>				:		YEAR		\$ 121,625
Thomas St.         Lee St.         Lland St.         North         400         \$ 400         \$ 400           Sunset Ave.         Tar River         Inachaller River         North         400         \$ 14,000           Sunset Ave.         Stoney Creek Dr.         Jonnes Rd.         North         400         \$ 24,000           Sunset Ave.         Stoney Creek Dr.         Jonnes Rd.         North         400         \$ 24,000           Sunset Ave.         Stoney Creek Dr.         Jonnes Rd.         Hanklin St.         North         400         \$ 24,000           Sunset Ave.         Jones Rd.         Eraplexood Dr.         North         756         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Bryant St.         North         776         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Bryant St.         North         776         \$ 14,000           Sunset Ave.         Land St.         Taylor St.         Taylor St.         Taylor St.         \$ 14,000           Sunset Ave.         Bryant St.         North         776         \$ 14,000           Sunset Ave.         Cay St.         North         776         YEAR TOTAL           Sunset Ave.         Inmig		Mytle Ave.	Highland Ave.	South	1450		50,750	
Sunset Ave.         Tar River         Predemont Ave.         South South         400         VEAR 3 TO TAL         49,000           Sunset Ave.         North         600         FAR 1,000         \$ 24,000         \$ 24,000           Boyant St.         Sunset Ave.         Sourset Ave.	10 Thomas St.	Lee St.	Land St.	North	400		14,000	
Raleigh Rd.         Nelson St.         Bryant St.         Bryant St.         Bryant St.         Bryant St.         Struck Ave.         North         400         \$ 8,000           Sunsest Ave.         Stoney Creek Dr.         Jones Rd.         North         700         \$ 20,125           Peachtree St.         Taylor St.         Franklin St.         North         700         \$ 20,125           Sunsest Ave.         Jonnes Rd.         Englewood Dr.         North         775         \$ 20,125           Sunsest Ave.         Jonnes Rd.         Taylor St.         North         775         \$ 20,125           Sunset Ave.         Land St.         Taylor St.         North         775         \$ 20,125           Sunset Ave.         Dominick Dr.         Tar River         North         775         \$ 21,000           Sunset Ave.         Ramp Rd.         Nelson St.         East         1200         \$ 21,000           Sunset Ave.         Ramp Rd.         North         750         \$ 21,000           Grace St.         Gay St.         Mill St.         East         100         \$ 21,000           Grace St.         Name Rd.         North         450         \$ 21,000           Grand Ave.         Church St. <td< td=""><td></td><td>Tar River</td><td>Piedmont Ave.</td><td>South</td><td>1400</td><td></td><td></td><td>0 7 7 0 7 10 0</td></td<>		Tar River	Piedmont Ave.	South	1400			0 7 7 0 7 10 0
Fraingin Rd.         Netson St.         Dashmille Rd.         East Acoustic Aco			:		0			4113,730
Perachtree St.         Stunset Ave.         North         400         \$ 14,000           Perachtree St.         Grace St.         Franklin St.         North         700         \$ 20,125           Perachtree St.         Grace St.         Franklin St.         North         700         \$ 20,125           Thomas St.         Taylor St.         Englewood Dr.         North         1250         \$ 20,125           Sunset Ave.         Land St.         Taylor St.         Taylor St.         North         775         \$ 43,750           Raleigh Rd.         Rawenwood Dr.         Nelson St.         East         1200         \$ 27,125           Sunset Ave.         Ramp Rd.         Nelson St.         East         700         \$ 47,250           Sunset Ave.         Inmick Dr.         North         775         YEAR & TOAL         \$ 47,250           Sunset Ave.         Ramp Rd.         North         150         \$ 47,250         \$ 47,250           Sunset Ave.         Inmig St.         Dominick Dr.         North         450         \$ 47,250           Grace St.         Bashulle Rd.         North         450         \$ 27,000         \$ 35,000           Grace St.         Nathoels Rd.         Noest         1150         <	Kaleigh	Nelson St	Nashville Rd.	East	008		28,000	
Sunset Ave.         Stoney Creek Dr.         Jones Rd.         North         700         \$ 24,500           Senator Ave.         Grace St.         Franklin St.         North         700         \$ 24,000           Flowers St.         Taylor St.         Franklin St.         North         400         \$ 24,000           Sunset Ave.         Jones Rd.         Englewood Dr.         North         775         \$ 43,750           Sunset Ave.         Dominick Dr.         Tar River         North         775         \$ 43,750           Sunset Ave.         Bominick Dr.         Tar River         North         775         \$ 47,250           Sunset Ave.         Ramp Rd.         Wesleyan Blvd.         North         770         \$ 47,000           Sunset Ave.         Gay St.         Mill St.         North         450         \$ 47,000           Sunset Ave.         Church St.         Mill St.         North         450         \$ 47,000           Grand Ave.         Church St.         North         450         \$ 3,500           Grand Ave.         Griffin St.         North         100         \$ 14,000           Grand Ave.         Mitchell St.         Tyan St.         North         400,250           Grand Av	Thomas		Sunset Ave.	North	400		14,000	
Peachtree St.         Grace St.         Franklin St.         Weet         575         \$ 20,125           Thomas St.         Taylor St.         Englewood Dr.         North         400         \$ 40,000           Sunnset Ave.         Land St.         Taylor St.         Taylor St.         Taylor St.         1250         \$ 40,000           Raleigh Rd.         Rawenwood Dr.         Nelson St.         East         1200         \$ 27,125           Sunset Ave.         Ramp Rd.         Weeleyan Blvd.         North         700         \$ 47,250           Grace St.         Gay St.         Mill St.         East         700         \$ 47,250           Grace St.         Gay St.         Mill St.         East         700         \$ 47,250           Grace St.         Gay St.         Mill St.         East         700         \$ 47,250           Grace St.         Nance St.         North         600         \$ 24,500         \$ 47,250           Grace St.         Nance St.         North         600         \$ 47,250         \$ 40,250           Grace St.         Nance St.         Nashwile Rd.         North         450         \$ 40,250           Raleigh Rd.         Mitchell St.         Tyan St.         North		eek	Jones Rd.	North	700		24,500	
Thomas St.         Taylor St.         Bryant St.         North         400         * FAR 4 TOTAL           Sunset Ave.         Jones Rd.         Englewood Dr.         North         1250         \$ 13,125           Sunset Ave.         Land St.         Taylor St.         North         775         \$ 27,125           Rull St.         Taylor St.         North         775         \$ 13,125           Sunset Ave.         Ramp Rd.         Nelson St.         East         1200         \$ 27,125           Grace St.         Ramp Rd.         Nesleyan Blwd.         North         450         \$ 24,500           Grace St.         Gay St.         Mill St.         Bounhick Dr.         North         450         \$ 21,000           Grand Ave.         Church St.         Ne Main St.         South         450         \$ 21,000           Grand Ave.         Church St.         Ne Main St.         South         450         \$ 3,500           Grand Ave.         Church St.         Ne Main St.         Nest         1150         \$ 40,250           Grand Ave.         Mitchell St.         Tyan St.         Weest         1100         \$ 14,000           Grand Ave.         Englewood Dr.         Fay Dr.         North         400		Grace St.	Franklin St.	West	575		20,125	
Sunset Ave.         Jones Rd.         Englewood Dr.         North         1250         \$ 13,125           Thomas St.         Land St.         Taylor St.         North         775         \$ 13,125           Sunset Ave.         Dominick Dr.         Taylor St.         North         775         \$ 13,125           Raleigh Rd.         Ramp Rd.         Nelson St.         East         1200         \$ 27,125           Sunset Ave.         Ramp Rd.         Mill St.         East         700         \$ 24,500           Sunset Ave.         Inving St.         North         600         \$ 24,500         \$ 21,000           Grand Ave.         Inving St.         North         600         \$ 21,000         \$ 21,000           Grand Ave.         Inving St.         North         400         \$ 21,000         \$ 21,000           Grand Ave.         Inving St.         North         400         \$ 35,00         \$ 40,250           Raleigh Rd.         Old Wilson Rd.         Mitchell St.         Tyan St.         Noest         1150         \$ 40,250           Raleigh Rd.         Powell Dr.         Jearteys Rd.         Avest         400         \$ 14,000           Grand Ave.         Englewood Dr.         Fower         North <td></td> <td>Taylor St.</td> <td>Bryant St.</td> <td>North</td> <td>400</td> <td></td> <td></td> <td></td>		Taylor St.	Bryant St.	North	400			
Sunset Ave.         John St.         Tar River         North         775         \$ 13,125           Sunset Ave.         Dominick Dr.         Tar River         North         775         \$ 27,125           Sunset Ave.         Ravenwood Dr.         Nelson St.         East         1200         \$ 13,125           Sunset Ave.         Ramp Rd.         Wesleyan Blvd.         North         1350         \$ 47,250           Grace St.         Gay St.         Mill St.         East         700         \$ 24,000           Grand Ave.         Iving St.         North         600         \$ 21,000         \$ 21,000           Grand Ave.         Iving St.         North         600         \$ 21,000         \$ 15,750           Grand Ave.         Indirection St.         RR Tracks         South         450         \$ 14,000           Grand Ave.         Griffin St.         North         Vest         1150         \$ 14,000           Raleigh Rd.         Mitchell St.         Ravenwood Dr.         East         100         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         North         400         \$ 14,000           Sunset Ave.         Mirchell St.         Powell Dr.         North         100 <td></td> <td></td> <td></td> <td>1 1 2</td> <td>CHCK</td> <td></td> <td></td> <td>\$ 100,625</td>				1 1 2	CHCK			\$ 100,625
Sunset Ave.         Dominick Dr.         Targetors.         North         775         FARR 5 TOTAL         10,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125         5 12,125	10 Thomas Of	Jolles Na.	Touler of	NOLL	2750		15,730	
Sunset Ave.         Dominios Dr.         Tair River         North         773         YEAR 5 TOTAL         27,123           Raleigh Rd.         Ramp Rd.         Nelson St.         East         1200         **EAR 6 TOTAL         42,000           Sunset Ave.         Ramp Rd.         Nelson St.         Dominick Dr.         North         600         \$ 47,250           Sunset Ave.         Inving St.         Dominick Dr.         North         600         \$ 24,500           Grace St.         Inving St.         Dominick Dr.         North         600         \$ 24,500           Grace St.         Inving St.         Na Mitchell St.         RR Tracks         East         100         \$ 24,500           Grace St.         Nanck St.         Nashville Rd.         West         450         \$ 40,250           Raleigh Rd.         Griffin St.         Nashville Rd.         West         1150         \$ 40,250           Country Club Rd.         Powell Dr.         Pavenwood Dr.         Raleigh St.         YEAR 8 TOTAL           Grand Ave.         Highland Ave.         Raleigh St.         North         400         \$ 47,250           Sunset Ave.         Highland Ave.         Foy Dr.         North         400         \$ 47,250	10 mornas ot.	Land of.	Taylol St.	NOILL	0 7 0		07,120	
Raleigh Rd.         Rawenwood Dr.         Nelson St.         East         1200         \$ 42,000           Sunset Ave.         Ramp Rd.         Wesleyan Blvd.         North         1350         \$ 42,000           Grace St.         Gay St.         Mill St.         East         700         \$ 21,000           Grand Ave.         Indro St.         Dominick Dr.         North         600         \$ 21,000           Grand Ave.         Church St.         Dominick Dr.         North         600         \$ 21,000           Grad Ave.         Church St.         NE Main St.         South         450         \$ 21,000           Grad Ave.         Church St.         Nance St.         RR Tracks         East         100         \$ 15,750           Grad Ave.         Griffin St.         Nashville Rd.         West         1250         \$ 40,250           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         100         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         100         \$ 14,000           Sunset Ave.         Highland Ave.         Powell Dr.	19 Sunset Ave.	Dominick Dr.	lar Kiver	North	0/	2000		
Ralegin Rd.         Rawenwood Dr.         Wesleyan Blvd.         Downling St.         Fast Tool         \$ 42,500           Sunset Ave.         Ramp Rd.         Wesleyan Blvd.         North         1500         \$ 42,500           Grace St.         Gay St.         Mill St.         East         700         \$ 24,500           Grand Ave.         Iving St.         Dominick Dr.         North         600         \$ 24,500           Grand Ave.         Church St.         NE Main St.         South         450         \$ 24,500           Grade St.         Nance St.         RR Tracks         East         100         \$ 15,750           Grade St.         Nance St.         RR Tracks         East         100         \$ 15,000           Raleigh Rd.         Mitchell St.         Tyan St.         West         1250         \$ 40,250           Grand Wilson Rd.         Mitchell St.         Tyan St.         West         1400         \$ 14,000           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         Fast         100         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         100         \$ 14,000           Sunset Ave.         Winstead Ave.         Powell Dr.         East </td <td></td> <td></td> <td>10000</td> <td>; () L</td> <td>7</td> <td>0</td> <td></td> <td></td>			10000	; () L	7	0		
Carace St.         Cay St.         Westeyan Dwa.         North         1330         YEAR 6 TOTAL         47,200           Carace St.         Gay St.         Mill St.         East         700         \$ 24,500           Sunset Ave.         Inving St.         Dominick Dr.         North         600         \$ 24,500           Grand Ave.         Church St.         NE Main St.         North         600         \$ 24,500           Grace St.         Nashville Rd.         West         100         \$ 3,500           Raleigh Rd.         Griffin St.         Nashville Rd.         West         1150         \$ 40,250           Old Wilson Rd.         Mitchell St.         Ravenwood Dr.         East         100         \$ 38,500           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Winstead Ave.         Powell Dr.         Fendale Dr.         North         400         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Sunset Ave.         Ferndale Dr.         North </td <td>24 Supply Na.</td> <td>Raveliwood Di.</td> <td>Meison St.</td> <td>Fast</td> <td>1250</td> <td>9 6</td> <td>44,000</td> <td></td>	24 Supply Na.	Raveliwood Di.	Meison St.	Fast	1250	9 6	44,000	
Grace St.         Gay St.         Mill St.         East         700         \$ 24,500           Sunset Ave.         Irving St.         Dominick Dr.         North         600         \$ 24,500           Grand Ave.         Church St.         Na Main St.         South         450         \$ 24,500           Grade St.         Nance St.         Na New Mile Rd.         Nest         100         \$ 24,000           Raleigh Rd.         Griffin St.         Nashville Rd.         West         1250         \$ 40,250           Old Wilson Rd.         Mitchell St.         Tyan St.         West         1250         \$ 43,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Country Club Rd.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Highland Ave.         Raleigh St.         South         100         \$ 14,000           Sunset Ave.         Winstead Ave.         Foy Dr.         North         200         \$ 47,250           Raleigh Rd.         Allen St.         Powell Dr.         Rantyle North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.	Z I Sullset Ave.	Nalley Na.	westeyall blwd.	100	2			
Sunset Ave.         Inving St.         Dominick Dr.         North         600         \$ 21,000           Grand Ave.         Church St.         NE Main St.         South         450         \$ 21,000           Grade St.         Nance St.         RR Tracks         East         100         \$ 3,500           Raleigh Rd.         Griffin St.         Tyan St.         West         1250         \$ 43,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Country Club Rd.         Country Club Rd.         North         1100         \$ 14,000           Sunset Ave.         Highland Ave.         Raleigh St.         North         200         \$ 14,000           Sunset Ave.         Minstead Ave.         Stoney Creek Dr.         North         200         \$ 47,250           Raleigh Rd.         Allen St.         Powell Dr.         Rast Batt         1350         \$ 47,250           Sunset Ave.         Allen St.         Powell Dr.         North         200         \$ 47,250           Raleigh Rd.         Allen St.         Powell Dr.         Rast Batt         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Rainview Rd. </td <td></td> <td>Gav St</td> <td>Mill St</td> <td>Fast</td> <td>700</td> <td>Í</td> <td></td> <td></td>		Gav St	Mill St	Fast	700	Í		
Grand Ave.         Church St.         NE Main St.         South St.         South St.         450         \$ 15,750           Grace St.         Nance St.         RR Tracks         East         100         \$ 3,500           Raleigh Rd.         Griffin St.         Nashville Rd.         West         1150         \$ 40,250           Old Wilson Rd.         Mitchell St.         Tyan St.         West         400         \$ 13,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         400         \$ 14,000           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Englewood Dr.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Allen St.         Powell Dr.         East         1350         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 21,875           Tarboro St.         Ferndale Dr.         Ramp Rd.		Irving St.	Dominick Dr.	North	009		21,000	
Grace St.         Nance St.         RR Tracks         East         100         \$ 3,500           Raleigh Rd.         Griffin St.         Nashville Rd.         West         1150         \$ 40,250           Old Wilson Rd.         Mitchell St.         Tyan St.         West         1250         \$ 40,250           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         400         \$ 14,000           Raleigh Rd.         Powell Dr.         Raleigh St.         North         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         North         400         \$ 14,000           Sunset Ave.         Englewood Dr.         Foy Dr.         North         400         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Oakwood Dr.         Femdale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 54,250		Church St.	NE Main St.	South	450		15,750	
Raleigh Rd.         Griffin St.         Nashville Rd.         West         1150         \$ 40,250           Old Wilson Rd.         Mitchell St.         Tyan St.         West         1250         \$ 43,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Highland Ave.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Winstead Ave.         Stoney Creek Dr.         North         200         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         Rast         1350         \$ 47,250           Tarboro St.         Ferndale Dr.         Fairview Rd.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 54,250           Sunset Ave.         Gircle Dr.         Ramp Rd.         North         1600         \$ 54,250		Nance St.	RR Tracks	East	100		3,500	
Old Wilson Rd.         Mitchell St.         Tyan St.         West         1250         \$ 43,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Englewood Dr.         Foy Dr.         North         200         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         Rast         1350         \$ 47,250           Tarboro St.         Cokwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 56,000		Griffin St.	Nashville Rd.	West	1150	69	40,250	
Old Wilson Rd.         Mitchell St.         Tyan St.         West         1250         \$ 43,750           Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Englewood Dr.         Foy Dr.         North         200         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         Rast         1350         \$ 47,250           Tarboro St.         Cakwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 56,000						1		\$105,000
Raleigh Rd.         Powell Dr.         Ravenwood Dr.         East         1100         \$ 38,500           Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000           Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 14,000           Sunset Ave.         Highland Ave.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Winstead Ave.         Stoney Creek Dr.         North         200         \$ 14,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Cakwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 56,000		Mitchell St.	Tyan St.	West	1250		43,750	
Country Club Rd.         Covenant Ct.         Jeffreys Rd.         West         400         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000         \$ 14,000	28 Raleigh Rd.	********	Ravenwood Dr.	East	1100		38,500	
Grand Ave.         Highland Ave.         Raleigh St.         South Ave.         T100         \$ 38,500         \$ 38,500           Sunset Ave.         Englewood Dr.         Foy Dr.         North Avo.         \$ 7,000         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         East 1350         \$ 47,250         \$ 47,250           Tarboro St.         Oakwood Dr.         Ferndale Dr.         North 625         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North 1600         \$ 51,875           Sunset Ave.         Circle Dr.         Ramp Rd.         North 1600         \$ 56,000			Jeffreys Rd.	West	400			
Grand Ave.         Highland Ave.         Raleigh St.         South         1100         \$ 38,500           Sunset Ave.         Englewood Dr.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Winstead Ave.         Stoney Creek Dr.         North         200         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Oakwood Dr.         Femdale Dr.         North         1550         \$ 54,250           Tarboro St.         Femdale Dr.         Ramp Rd.         North         1600         \$ 56,000						æ	Ļ	
Sunset Ave.         Englewood Dr.         Foy Dr.         North         400         \$ 14,000           Sunset Ave.         Winstead Ave.         Stoney Creek Dr.         North         200         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Oakwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Ramp Rd.         North         1600         \$ 56,000		Highland Ave.	Raleigh St.	South	1100		38,500	
Sunset Ave.         Winstead Ave.         Stoney Creek Dr.         North         200         \$ 7,000           Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Oakwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Tarboro St.         Ferndale Dr.         Fairview Rd.         North         625         \$ 54,250           Sunset Ave.         Circle Dr.         Ramp Rd.         North         1600         \$ 56,000		Englewood Dr.		North	400		14,000	
Raleigh Rd.         Allen St.         Powell Dr.         East         1350         \$ 47,250           Tarboro St.         Oakwood Dr.         Ferndale Dr.         North         1550         \$ 21,875           Sunset Ave.         Circle Dr.         Ramp Rd.         North         1600         \$ 56,000		Winstead Ave.	eek	North	200		7,000	
Tarboro St.         Oakwood Dr.         Ferndale Dr.         North         1550         \$ 54,250           Sunset Ave.         Circle Dr.         Ramp Rd.         North         1600         \$ 56,000		Allen St.	Powell Dr.	East	1350			
Tarboro St.         Oakwood Dr.         Femdale Dr.         North         1550         \$ 54,250           Tarboro St.         Femdale Dr.         Fairview Rd.         North         625         \$ 21,875           Sunset Ave.         Circle Dr.         Ramp Rd.         North         1600         \$ 56,000		in the control of the						\$106,750
Tarboro St.         Femdale Dr.         Fairwew Rd.         North         625         \$ 21,875           Sunset Ave.         Circle Dr.         Ramp Rd.         North         1600         \$ 56,000	34 larboro St.	Cakwood Dr.	Ferndale Dr.	North	1550		54,250	
Sunset Ave. Circle Dr. Kamp Ka. North 1600	35 Tarboro St.	Ferndale Dr.	Fairview Rd.	North	625		21,875	
		Circle Dr.	Катр Кd.	North	1600	₩.		

## APPENDIX N

## NC GASOLINE TAX PER GALLON

	NC STATE	FEDERAL	TOTAL	NATIONAL RANK
June 2001	\$0.220	\$0.184	\$0.404	36/51
Nov 2003	\$0.234	\$0.184	\$0.418	40/51
July 2004	\$0.234	\$0.184	\$0.418	40/51

Data Source: American Petroleum Institute

M drive Gas Tax Comp 8/3/2004

## APPENDIX O

	Gasoline T	Tax Per C	Gallon	
Rank	State	State	Federal	Total Tax
		Tax	Tax	Per Gallon
1	Georgia	0.0750	0.1840	0.2590
2	Alaska	0.0800	0.1840	0.2640
3	Wyoming	0.1400	0.1840	0.3240
4	Florida	0.1410	0.1840	0.3250
5	New Jersey	0.1450	0.1840	0.3290
6	Kentucky	0.1500	0.1840	0.3340
7	Hawaii	0.1600	0.1840	0.3440
8	South Carolina	0.1600	0.1840	0.3440
9	Missouri	0.1700	0.1840	0.3540
10	New Mexico	0.1700	0.1840	0.3540
11	Oklahoma	0.1700	0.1840	0.3540
12	Virginia	0.1750	0.1840	0.3590
13	Alabama	0.1800	0.1840	0.3640
14	Arizona	0.1800	0.1840	0.3640
15	California	0.1800	0.1840	0.3640
16	Indiana	0.1800	0.1840	0.3640
17	Mississippi	0.1800	0.1840	0.3640
18	New Hampshire	0.1800	0.1840	0.3640
19	Illinois	0.1900	0.1840	0.3740
20	Michigan	0.1900	0.1840	0.3740
21	District of Columbia	0.2000	0.1840	0.3840
22	Louisiana	0.2000	0.1840	0.3840
23	Minnesota	0.2000	0.1840	0.3840
24	Tennessee	0.2000	0.1840	0.3840
25	Texas	0.2000	0.1840	0.3840
26	Vermont	0.2000	0.1840	0.3840
27	Iowa	0.2010	0.1840	0.3850
28	West Virginia	0.2050	0.1840	0.3890
29	North Dakota	0.2100	0.1840	0.3940
30	Arkansas	0.2150	0.1840	0.3990
31	Massachusetts	0.2150	0.1840	0.3990
32	Colorado	0.2200	0.1840	0.4040
33	Maine	0.2200	0.1840	0.4040
34	Ohio	0.2200	0.1840	0.4040
35	South Dakota	0.2200	0.1840	0.4040
36	Delaware	0.2300	0.1840	0.4140
37	Kansas	0.2300	0.1840	0.4140

## **APPENDIX O**

Rank	State	State	Federal	Total Tax
		Tax	Tax	Per Gallon
38	Nevada	0.2300	0.1840	0.4140
39	Washington	0.2300	0.1840	0.4140
40	North Carolina	0.2340	0.1840	0.4180
41	Maryland	0.2350	0.1840	0.4190
42	Oregon	0.2400	0.1840	0.4240
43	Utah	0.2450	0.1840	0.4290
44	Nebraska	0.2460	0.1840	0.4300
45	Connecticut	0.2500	0.1840	0.4340
46	Idaho	0.2500	0.1840	0.4340
47	Pennsylvania	0.2590	0.1840	0.4430
48	Montana	0.2775	0.1840	0.4615
49	New York	0.2965	0.1840	0.4805
50	Rhode Island	0.3000	0.1840	0.4840
51	Wisconsin	0.3110	0.1840	0.4950

Source: American Petroleum Institute (1/7/03)

http://www.lmoga.com/taxrates.htm

## APPENDIX P

# **Powell Bill Fund Allocations**

Year	Rocky Mount	Nashville
1995	\$1,633,131	
1996	\$1,719,944	
1997	\$1,785,316	
1998	\$1,856,716	
1999	\$1,861,599	
2000	\$1,938,763	\$147,145
2001	\$1,861,942	\$150,811
2002	\$1,768,649	\$143,663
2003	\$1,612,487	\$131,499

## APPENDIX Q

	Annual TIP Expe Rocky Mount MPC		
TIP Project	Cost E	stimate	
Estimate Date	Sept, 2001	Sept, 2004	
Ten Year Span	1998 - 2008	2000 - 2010	
B-2155	\$149,000	\$149,000	
B-3381	650,000	603,000	
B-3639		840,000	
B-3681	660,000	760,000	
B-3838	458,000	410,000	
B-3879		2,500,000	
B-4111		765,000	
B-4211		2,400,000	
B-4503		1,400,000	194.0
B-4588		1,080,000	
E-4021		150,000	
E-4113		332,000	
E-4521		150,000	- 1
E-4753		240,000	
I-3406	725,000	725,000	
I-4039	59,000	59,000	
I-4704		3,500,000	
AND 100 M 100 M			-

14,700,000

283,000

758,000

5,780,000

8,471,000

4,738,000

14,771,000

8,200,000

2,350,000

6,805,000

10,800,000

10,400,000

7,700,000

4,200,000

5,700,000

\$108,357,000

\$10,835,700

17,300,000

283,000

1,578,000

8,459,000

4,738,000

14,839,000

1,498,000

7,155,000

11,300,000

11,225,000

7,700,000

4,200,000

6,600,000

\$112,938,000

\$11,293,800

R-2823

R-4013

R-4027

U-2111

U-2218

U-2310

U-2561

U-3327

U-3328

U-3329

U-3330

U-3331

U-3621

U-3820

U-4019

Ten Year Totals

Annual Average

## APPENDIX R

Divided by 2 \$11,064,750

\$8,298,562

Say \$8,250,000

x 0.75

Annual Average I from Appendix Q \$10,835,700 \$11,293,800 Annual Average II from Appendix Q \$22,129,500 Sum

Annual Average

Assume 75% Funding Level

Financial Calculations for Table 5.1

Per Year

## APPENDIX S

# Rocky Mount Urban Area MPO Estimated Costs of Bridge, Enhancement, Interstate, Rural, and Urban TIP Projects

TIP	Project	T	TIP	TIP	TIP
Project	Description	County	2000 - 2006	2002 - 2008	2004 - 2010
B-2155	WEED Rd bridge	. N	\$305,000	\$149,000	XXX
B-3381	Woodruff Rd bridge @ Stoney Creek	<del>  </del>	677,000	603,000	XXX
B-3639	SR 1223 bridge #60 @ Cokey Swamp	<del> </del>			
l	Airport Rd bridge @ CSX RR	+-==:-+			
l	SR 1006 bridge #58 @ Cokey Swamp		-	473,000	······································
<del></del>	SR 1603 bridge #73 @ Stoney Creek	İ	†	1,300,000	-
-	SR 1135 bridge #19 @ Cokey Swamp	•	Ţ	660,000	
_	Halifax Rd bridge @ Tar River	N	<del>,</del>	2,200,000	
	SR 1250 bridge @ Tar River	E	XXX		
	SR 1670 bridge @ Stoney Creek	N	XXX		
					44, 4
E-3140	Tar River Greenway	E/N	300,000	300,000	
E-4021	Train Car Rehabilitation	N		150,000	75,000
E-4113	Sidewalks	E/N	XXX	332,000	XXX
E-4521	Train Station Commons	N	XXX	150,000	xxx
[ <del></del>	Sidewalks	E/N	XXX	XXX	240,000
]			* * * * * * * * * * * * * * * * * * *		
-3319	I-95 Pavement Rehabilitation	N	XXX	XXX	11,550,000 <b>i</b>
1-3406	I-95/US 64 Interchange Lighting	N	725,000	0	0
l'	I-95 Pavement Rehabilitation	N	XXX	xxx	
lr ===== L' ======	I-95 Median Guardrail		9,861,000	2,844,000	
lr	I-95 Pavement Rehabilitation	N	XXX	XXX	
R-652	Widen US 301 Battleboro to Whitakers	N	15,791,000	18,575,000	XXX
R-2823	Northern Connector	N			
R-3316	Upgrade Halifax Rd	N			-
R-4013	US 64 Median Guardrail	Ε		_	
R-4027	US 64 Median Guardrail	N			
U-2218	NC 43 Bypass	E	8,884,000	8,459,000	XXX
1r	+	N	4,738,000	0	0
11	Widen NC 43 from NC 48 to I-95	N	17,494,000	14,771,000	
<u> </u>	Widen US 64A from Stokes to US 64	E	·		
U-3329	Battleboro Flyover	E/N			
U-3330	Widen Wesleyan Blvd	N	-		
U-3331	Widen Country Club Rd	N			
U-3621	Widen Hunter Hill Rd	N	- {		
U-3820	Tanner Rd alignment	E			
U-4019	Widen Winstead Ave, Sunset to Hunter Hill	N			
					_
	A		A		

\$128,788,**000** \$121,032,000 \$126,437,000

TOTAL ESTIMATE

## APPENDIX T

# North Carolina Department of Transportation Maintenance and Construction Expenditures Edgecombe and Nash Counties

:	Edgecom	be County	Nash	County
Fiscal Year	Maintenance	Construction	Maintenance	Construction
1990-1991	\$7,184,444.39	\$1,986,945.78	\$4,424,560.78	\$1,986,535.10
1991-1992	5,039,027.76	2,634,592.82	3,928,989.26	2,189,763.92
1992-1993	3,035,178.67	3,691,214.36	4,068,756.24	3,312,931.48
1993-1994	4,326,995.61	5,677,885.00	4,751,830.05	2,413,183.85
1994-1995	5,143,990.54	10,810,723.64	4,487,185.97	2,838,270.97
1995-1996	7,681,905.19	18,300,435.14	4,666,036.31	1,781,674.74
1996-1997	9,455,014.86	18,121,360.47	4,483,885.72	4,887,392.42
1997-1998	5,578,617.91	9,969,786.21	5,563,430.91	3,725,510.94
1998-1999	3,874,221.83	4,234,363.12	6,125,482.81	6,265,898.28
1999-2000	9,559,844.17	5,975,216.30	4,399,927.42	4,955,282.61
2000-2001	4,011,114.62	3,456,610.68	5,834,967.99	5,804,767.83
2001-2002	3,897,521.28	3,290,148.60	5,614,955.88	5,902,540.62
2002-2003	2,488,703.13	2,798,114.98	4,080,070.47	7,681,379.57
2003-2004	2,490,696.03	1,783,906.30	4,378,736.46	5,207,551.90
Totals	\$73,767,275.99	\$92,731,303.40	\$66,808,816.27	\$58,952,684.23

M drive Maint Const Exp 8/23/2004

## **APPENDIX U**

## **MOTOR VEHICLE REGISTRATIONS**

		City of l	Rocky M	ount		
	Automobiles	Trucks	Buses	Motorcycles	Tractor Trucks	Recreation Vehicles
August 2002	36,241	8,362	11	764	42	123
August 2003	36,333	8,383	11	808	47	117
August 2004	38,154	8,700	19	869	50	110

		Edgeco	mbe Cou	nty		
	Automobiles	Trucks	Buses	Motorcycles	Tractor Trucks	Recreation Vehicles
August 2002	30,402	11,117	55	648	404	74
August 2003	30,167	10,756	60	659	310	-68
August 2004	31,728	11,004	52	713	303	72

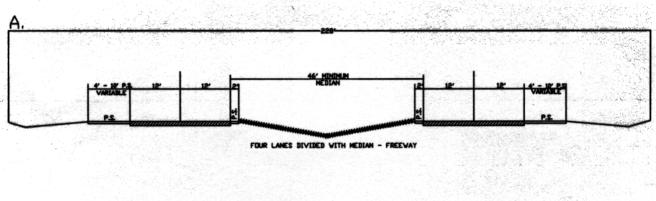
		Nasl	h County			
	Automobiles	Trucks	Buses	Motorcycles	Tractor Trucks	Recreation Vehicles
August 2002	52,156	19,348	123	1,200	1,005	206
August 2003	53,023	19,809	126	1,321	1,037	207
August 2004	55,852	20,657	130	1,457	988	199

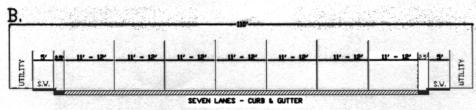
Source: NC Division of Motor Vehicles

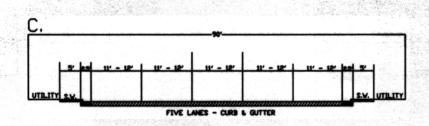
Note: The Edgecombe and Nash county totals include the City of Rocky Mount registrations.

M Drive registrations 8/17/2004

# TYPICAL THOROUGHFARE CROSS SECTIONS







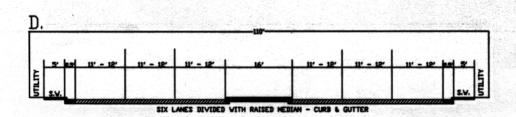
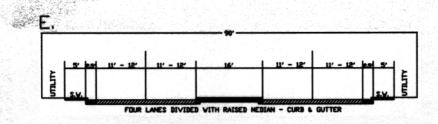
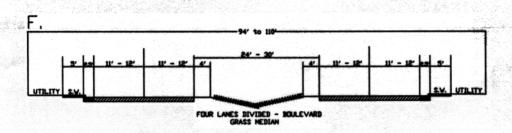


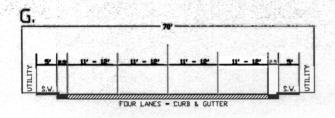
FIGURE C.1

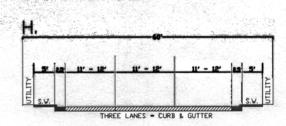
## APPENDIX V

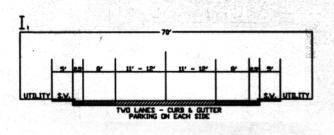
# TYPICAL THOROUGHFARE CROSS SECTIONS

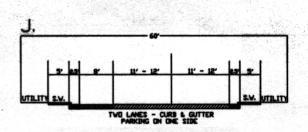


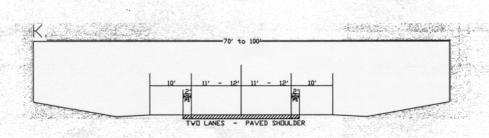




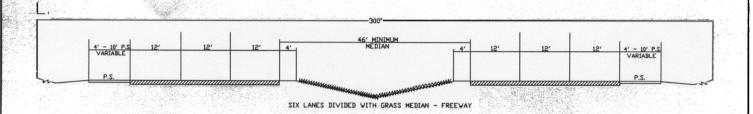


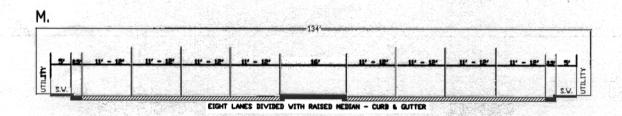




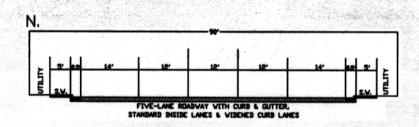


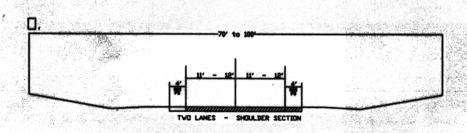
# TYPICAL THURDUGHFARE CROSS SECTIONS

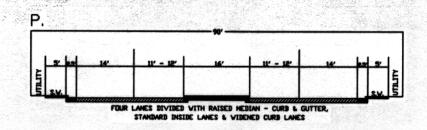




# TYPICAL THURDUGHFARE CROSS SECTIONS FOR ACCOMMODATING BICYCLES







## APPENDIX W

# TYPICAL ROADWAY UNIT COSTS FOR PRELIMINARY ESTIMATES

NEW LOCATION	COST PER MILE
2 LANE SHOULDER SECTION	\$1,400,000
3 LANE C&G SECTION (40' FF)	\$1,800,000
4 LANE C&G SECTION (52' FF)	\$2,000,000
4 LANE C&G RAISED MEDIAN SECTION (40' FF)	\$2,900,000
5 LANE C&G SECTION (64' FF)	\$2,300,000
5 LANE SHOULDER SECTION (NON-DIVIDED)	\$2,200,000
4 LANE SHOULDER W/ MEDIAN (NON-FREEWAY)	\$2,400,000
4 LANE SHOULDER W/ MEDIAN (FREEWAY)	\$2,700,000
WIDENING PROJECTS	
EXISTING 2 LANE, 20' SHOULDER SECTION TO	
3 LANE C&G	\$1,100,000
5 LANE C&G	\$1,800,000
EXISTING 2 LANE, 20' C&G SECTION TO	
3 LANE C&G	\$1,000,000
5 LANE C&G	\$1,700,000
EXISTING 4 LANE W/ MEDIAN TO:	
6 LANE W/ MEDIAN (INSIDE WIDENING)	\$1,900,000
6 LANE W/ MEDIAN (OUTSIDE WIDENING)	\$2,200,000
WIDEN EXISTING 18' SECTION TO 24' SECTION	\$ 650.000
OTHER SPECIAL COSTS TO BE ADDED	
NEW BRIDGE OVER STREAM	\$60/SF
WIDEN EXISTING BRIDGE OVER STREAM	\$70/SF
GRADE SEPARATIONS	\$1,000,000/ EA

#	#	Facility	Description / Extents	Miles	# Lames	Horizon Year # Lanes	Federal Functional Class	Regionally Significant	Exempt	Estimated Cost	in Network Coding?
-	1,146,00		PRIORITY PHASE 1 (2004 - 2010)								
. 0	B-3681	Aimort Road (SR 1555)	Replace bridge #277 over CSX RR		2	2	Minor Arterial	ş	Yes	\$760,000	S :
4 .	11 3000	(A1A1 AS) bead (All )	Widen from B. Leonard Blvd to Jeffreys Rd	1.40	2	5	Collector	No	S.	10,400,000	Yes
٠,	1. 2220	Policit Street (18 644)	Widen from Stokes St to US 64 Bynass	0.80	2	•	Principal Arterial	Yes	No	2,350,000	Yes
4	0-3328	Kaleign Sueer (OS 04A)	Desilane bridge #56 over Tar River		2	2	Minor Arterial	No	Yes	2,400,000	No
^	1174	Halliax Kd (SK 1544)	Widen from Smeet Ave to Hunter Hill Rd	1.70	2	4	Minor Arterial	Yes	No	6,600,000	Yes
0 1	0-4019	N. Wilstead Ave (SK 1913)	Widen from Benvenue Rd to Winstead Ave	2.40	2	4	Minor Arterial	Yes	No	7,700,000	Yes
1	U-3621	Hunter Hill Road (SK 1904)	Wideli Holli Delivelide Au to manage and	15.00	-	•	Interstate	No No	Yes	11,550,000	No.
8	1-3319	861	Pavement Netabilitation 1.95	2 00	•	4	Interstate	No	Yes	1,150,000	No
6	I-3607	S6-I		95 91	Ī	7	Interstate	No	Yes	3,500,000	No
2	14704	56-1	Pavement Kenabintation 1-95		·	2	Minor Arterial	Ν̈́	Yes	2,500,000	No
=	B-3879	Old Carriage Road	Keplace Stoney Creek Bridge # /3		•	2	ΑN	No No	Yes	1,080,000	No
12	B-4588	SR 1670 Rolling Acres Drive	Replace Stoney Creek Bridge #1		•	,	ΑN	Ν	Yes	410,000	No
13	B-3838	SR 1006	Replace Cokey Swamp Bridge # 38		, ,	,	ΝΑ	No	Yes	765,000	No
14	F	SR 1135	Replace Cokey Swamp Bridge # 19		,	,	AVN	ž	Yes	840.000	No
15	B-3639	SR 1223	Replace Cokey Swamp Bridge # 60		, .	,	Minor Arterial	No	Yes	1.400,000	No
16	B-4503	SR 1250	Replace Tar River Bridge # 7	1.30	•	,	Minor Arterial	Ņ	Yes	2.056,000	No
17	FS-0204D			1.00	•	•		ž	Yes	4.400.000	No
18		City of Rocky Mount	Upgrade Traffic Signal System					No	۰	800,000	No
9								Ŋ	Yes	(included above)	ON.
8			Construct New Sidewalks Along I horoughlares (B)					No.	Yes	(included above)	No
21			Construct New Sidewalks Along Thoroughlates (C)							\$60,661,000	
22			Subtotal								
23	400		TRIORIL I FRANE ( 2011 - 2020)	4.30	•	s	Minor Arterial	Yes	Νο	14,700,000	Xes
24	150	Northern Conn	Wide from Woodriff Bood to LOS	2.00		s	Minor Arterial	Yes	No	5,900,000	Yes
7	17.5 5646	W1 Di-4 (16 301 Demose)	Widen from NC 43 to May Dr	2.30	4	9	Principal Arterial	Yes	No	10,800,000	Yes
8 3	U-3330	-	Gassibility Study to Widen from US 301 Bynass to Tanner Rd		2	•	Minor Arterial	No	Yes	3,180,000	No
17	FS-0204B	Seringal Bood	Resemblity Study to Widen from I eggett Rd to NC 97	-		•	Minor Arterial	No	Yes	897,000	§.
9	15-070-CJ		Construct Interchance at Surset Ave				Interstate	Yes	No	7,000,000	Yes
9 5		Dad Oak Bood		0.50	0	2	Collector	No	No	1,000,000	Yes
3		NOT OUR MORE	Build Connector to SR 1001	0.75		3		No	No	2,000,000	Yes
7		Colon Bood	Widen from Redeate Ave to Old Wilson Rd	0.34	2	. 3	Minor Arterial	Yes	No	290,000	Yes
1		NC 48	Widen from Homestead Rd to Red Oak/Battleboro Rd	2.43	1	ş	NA	Yes	No	4,955,000	Yes
3		200	Widen from Red Oak/Rattlehorn Rd to NC 4	1.70	2	\$	NA	Yes	No	3,370,000	Yes
1		NC 40	Betand from West Mount Dr to 11S 301 Bynass	09.0	1	\$	Minor Arterial	Yes	No	5,400,000	Yes
ŝ		Descriwood Drive	Douboe Tunnels with Bridge	0.32		*	Minor Arterial	No	Yes	15,500,000	Yes
۶Į (		Sutton Koad		1.05	2	3	Minor Arterial	Yes	No	000'068'1	Yes
6		Ningston Avenue	Botand from NC 07 to 11S 301 Runase	0.40		s	Minor Arterial	Yes	No	1,225,000	Yes
8		Amgsion Avenue	Construct Connector from Sutton Rd to Cokev Rd	1.90		ş	Minor Arterial	Yes	No	5,825,000	Yes
6		Southeast Connector	Betand to Northern Connector	0.50	18	2	NA	No No	No	1,177,500	Yes
?		Crisenberry Rd	Extend to Northern Connector	0.50	0	2	N/A	No	%	1,535,000	Yes
42		Bethlehem Road	Widen from Beechwood Dr to Halifax Rd	1.40	2	4	Minor Arterial	Yes	ž	2,775,000	Xes

# Appendix X Rocky Mount Urban Area MPO Transportation Plan 2030 Projects

											Doflooted
*	TIP #	Facility	Description / Extents	Miles	# Lanes	Horizon Year # Lanes	Federal Functional Class	Regionally Significant	Exempt	Estimated Cost	in Network Coding?
43		Halifax Road	Widen from Bethlehem Rd to Sunset Ave	1.60	2	5	Minor Arterial	Yes	Š	3,170,000	Yes
4		Sunset Avenue	Widen from Halifax Rd to Old Carriage Rd	1.50		5	Minor Arterial	Yes	욄	2,700,000	Yes
3		Hunter Hill Road	Widen from Winstead to Halifax	1.30	I	5	Minor Arterial	Yes	윈	2,692,500	Yes
4	R-3316	Halifax Rd (SR 1544)	Widen from Sunset Ave to Bethlehem Rd	1.50	_ 	4	Minor Arterial	Yes	ž	9,900,000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
4			Subtotal							\$108,182,000	
8			PRIORITY PHASE 3 (2021 - 2030)			Ī			Ī	1	Ī
\$		Northern Connector	Extend from US 301 to Seven Bridges Rd	1.60	0	4	Minor Arterial	Yes	£	4,910,000	Yes
S,		Halifax Road	Widen from NC 97 to West Mount Dr	1.70		5	N/A	Yes	윋	6,500,000	Yes
<u>5</u>		Halifax Road	Widen from West Mount Dr to Bethlehem Rd	2.00	2	  S 	N/A	Yes	ž	3,965,000	Yes
52		Halifax Road	Widen from Sunset Ave to NC 43	3.50		  S 	Minor Arterial	Yes	ž	6,935,000	Yes
23		Hunter Hill Road	Widen from Halifax to I-95	08.0		[S]	Minor Arterial	Yes	ž	880,000	Yes
2		Bethlehem Road	Align with Oak Level Rd		2	     	N/A	ν	ž	2,250,000	Yes
55		Dreaver Street	Extend to Tarboro St	0.30	٥	2	N/A	ž	ટ્ર	650,000	Yes
99		US 64 Bypass	Widen from I-95 to Church St	6.00	4	9	Freeway	Yes	ž	15,820,000	Yes
57		Jeffries Road	Widen from US 301 Bypass to NC 43	1.60	2	     	Collector	N <sub>o</sub>	£	1,760,000	Yes
88		Meadowbrook Road	Widen from Raleigh Street to Rouse Road	1.70	2	   	Minor Arterial	Yes	ટ્ર	1,870,000	Yes
S		Barnes Street	Extend to Meadowbrook Road	0.51		2	N/A	δ	Š	1,060,000	Yes
ક			Subtotal							\$46,600,000	
19			PRIORITY PHASE 4 (2031 - OPEN)							-	
62		Nashville Road	Extend to Rex St	0.50	0		Minor Arterial	Yes	ž	17,500,000	
63		Fairview Road	Align with Green Pasture Road		2	7	N/A	일	ž	1,425,000	
उ		Old Mill Road	Widen from Wesleyan Blvd to Bethlehem Road	1.40			Collector	  원	ş	1,540,000	
9		Old Mill Road	Widen from Bethlehem Road to Halifax Road	2.20		\   	Collector	S <sub>N</sub>	ટ્ર	2,420,000	
99		NC 97	Widen from US 301 Bypass to Halifax Road	2.50	2	2	N/A	Yes	Ş	4,500,000	
19		Grand Avenue	Widen from Atlantic Avenue to Falls Road	0.50	4	 	Minor Arterial	ζes 	<u>چ</u>	810,000	
89		McKendree Church Road	Widen from RR to Old Wilson Road	1.00	2	S	N/A	Yes	ž	1,980,000	
8		Arlington Avenue	Extend from Dunn Street to Vance Street	0.40	0	2	Collector	ž	ş	755,000	
2		Vance Street	Widen from Mitchell Street to Sutton Road	0.90	2		Collector	윋	ş	1,045,000	
11/		Greyson Road	Widen from NC 48 to Fenner Road	1.00	2	5	N/A	원	ટ્ટ	1,980,000	
2		Tarboro Street	Extend to NC 43 Bypass	0.90	0	7	Collector	2	ş	2,180,000	
5		NC 97	Widen from Tanner Road to Springfield Road	1.30	2	~	Minor Arterial	Yes	ž	2,340,000	
7.		NC 97	Widen from Grace to Nashville Rd	0.80	4	S	Principal Arterial	Yes	ž	1,417,500	
2		Nashville Road	Widen from Hammond Street to Raleigh Road	0.58	2	6	Minor Arterial	Yes	£	1,044,000	
হ		S6-I	Widen from NC 4 to NC 97	19.00	4	9	Interstate	Yes	ž	50,000,000	
7		Winstead Avenue	Widen from Sunset Avenue to Ridgecrest Drive	0.70	3	2	Minor Arterial	Yes	<u>چ</u>	1,510,000	
8/		Arbor Lane	Arbor Lane	0.23		7	N/A	ટ ટ	 운	654,000	
7			Subtotal	_[					1	\$93,100,500	
8			Grand Total							\$308,543,500	